

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

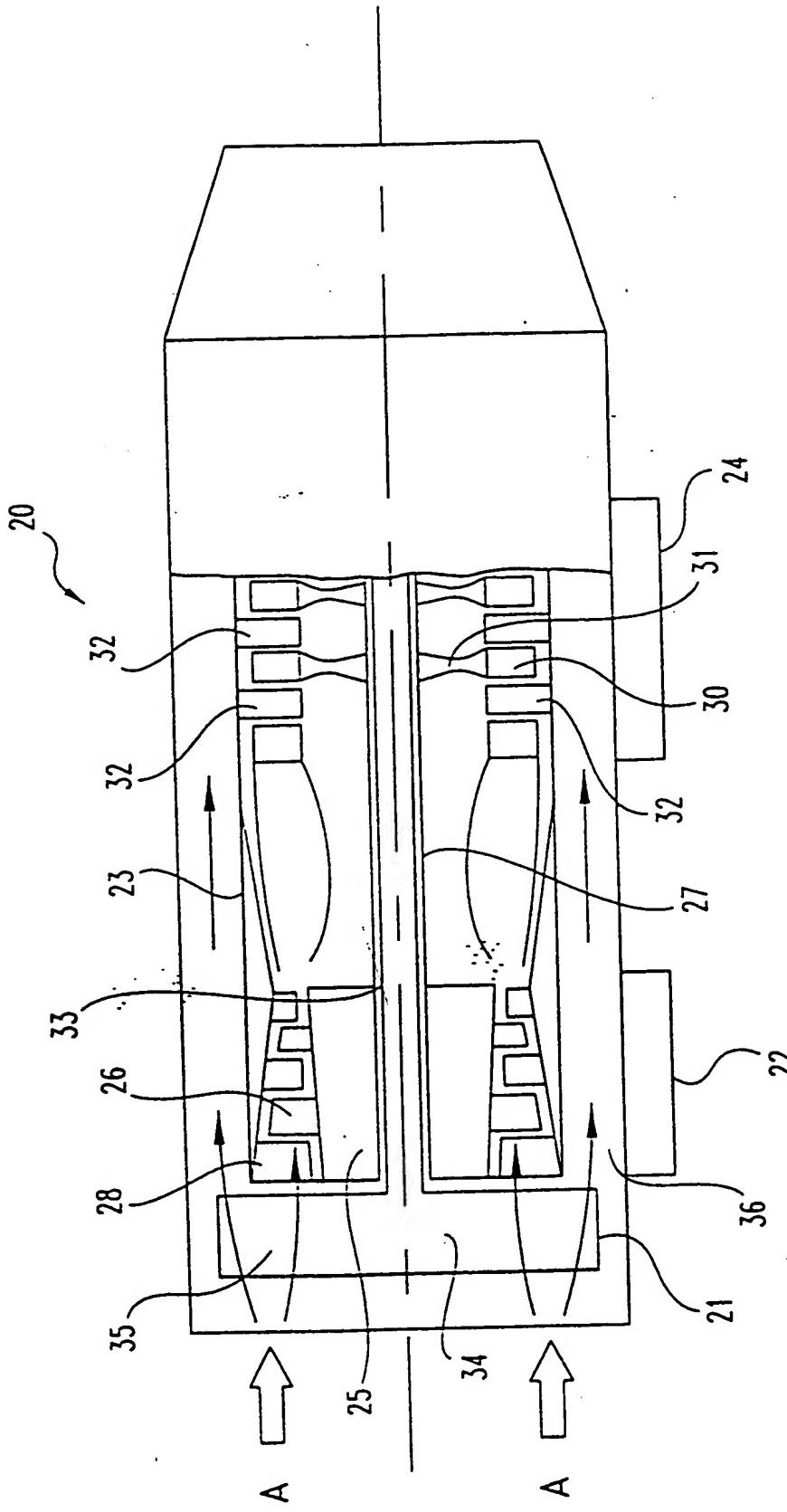


Fig. 1

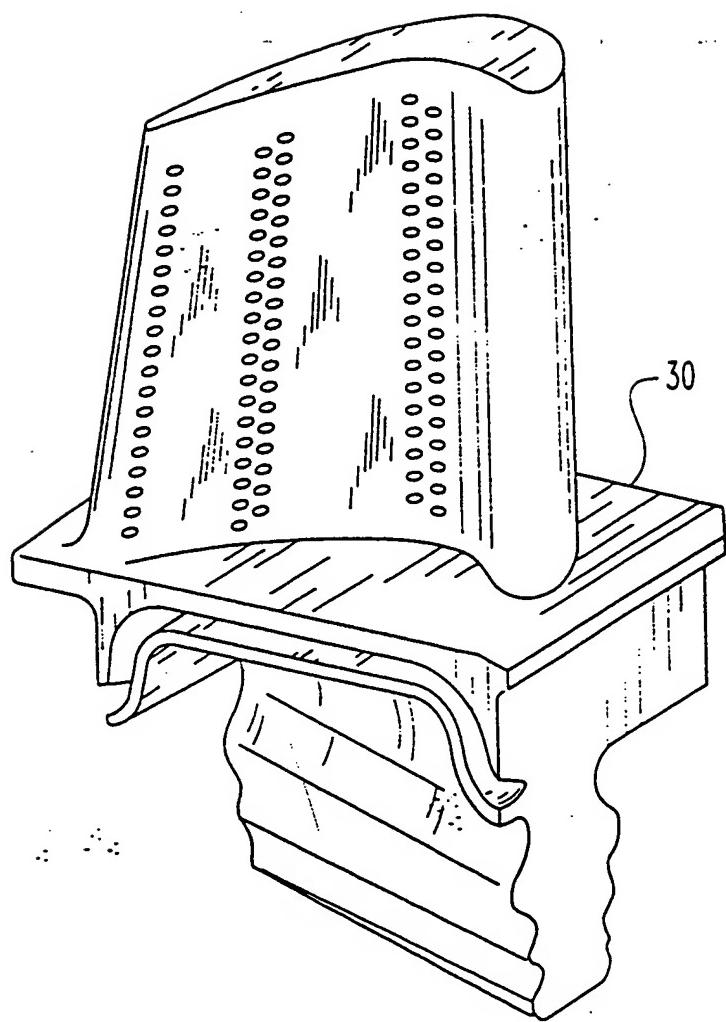


Fig. 2

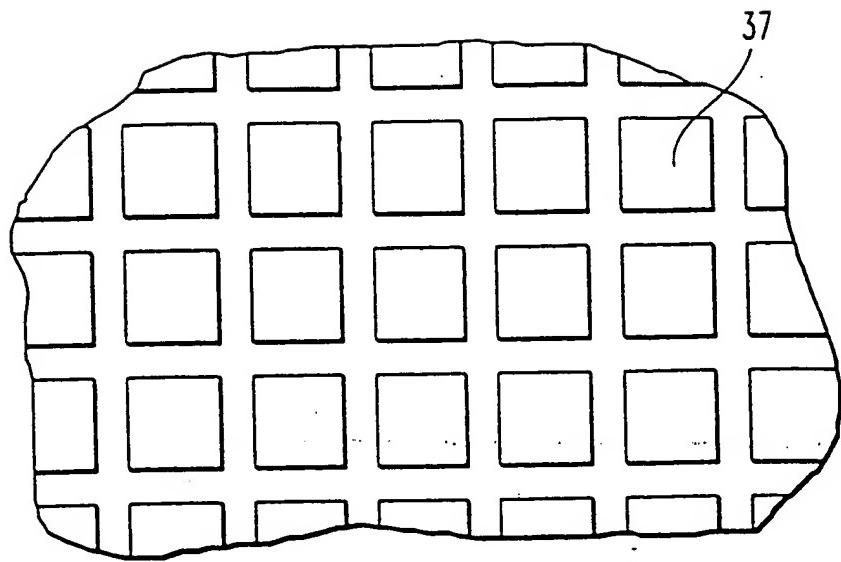


Fig. 3

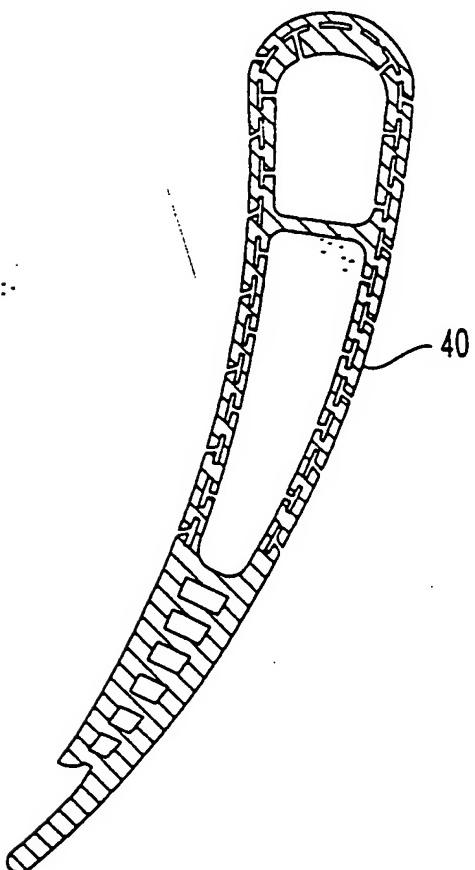


Fig. 4

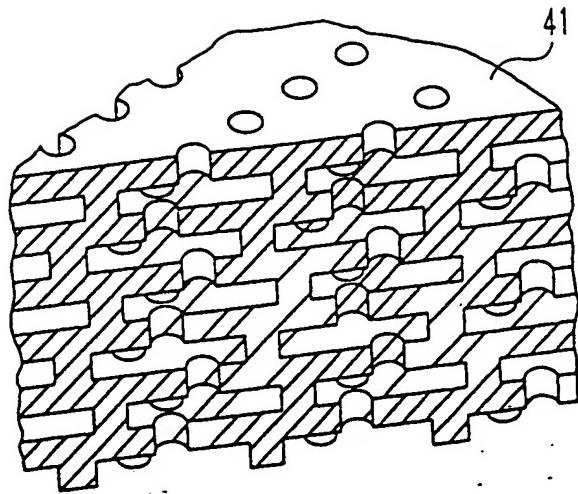


Fig. 5

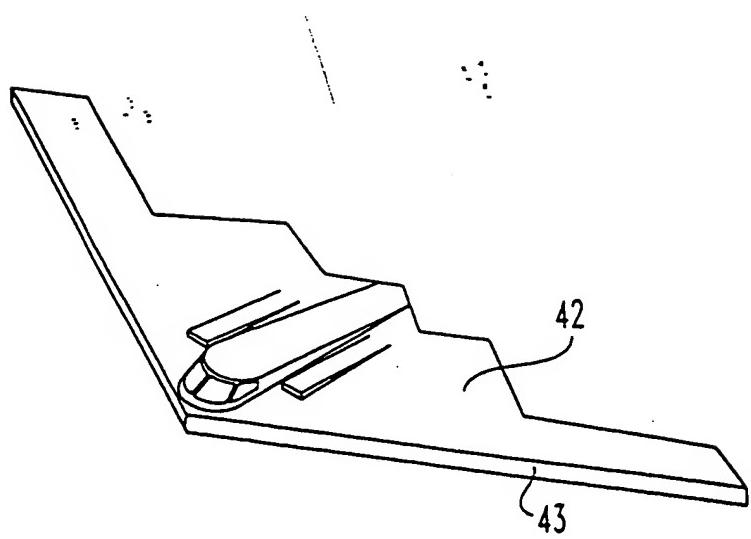


Fig. 6

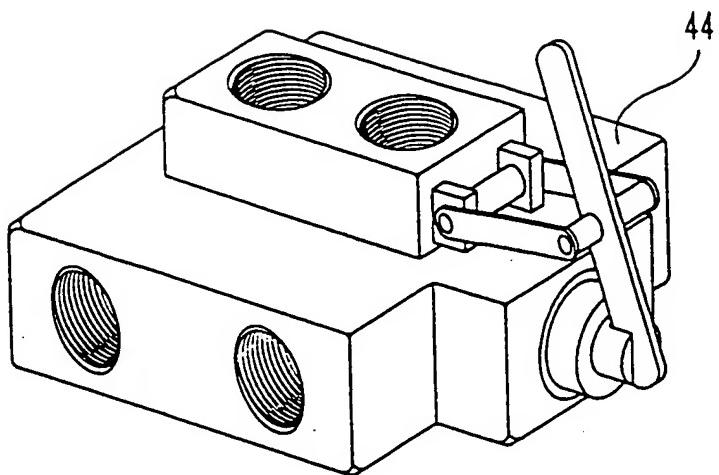


Fig. 7

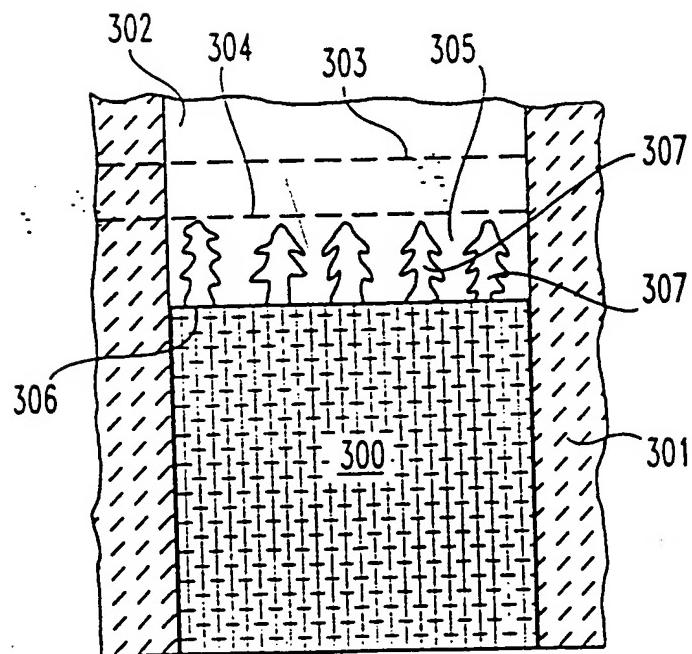


Fig. 8

Export Controlled Information
This information may not be exported, released, or disclosed to foreign
nationals without first complying with the export license requirements of the
International Traffic in Arms Regulations (ITAR) and/or the Export
Administration Regulation (EAR). Violation of ITAR or EAR may be subject
to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under
18 U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include
this notice with any reproduction portion of this document.

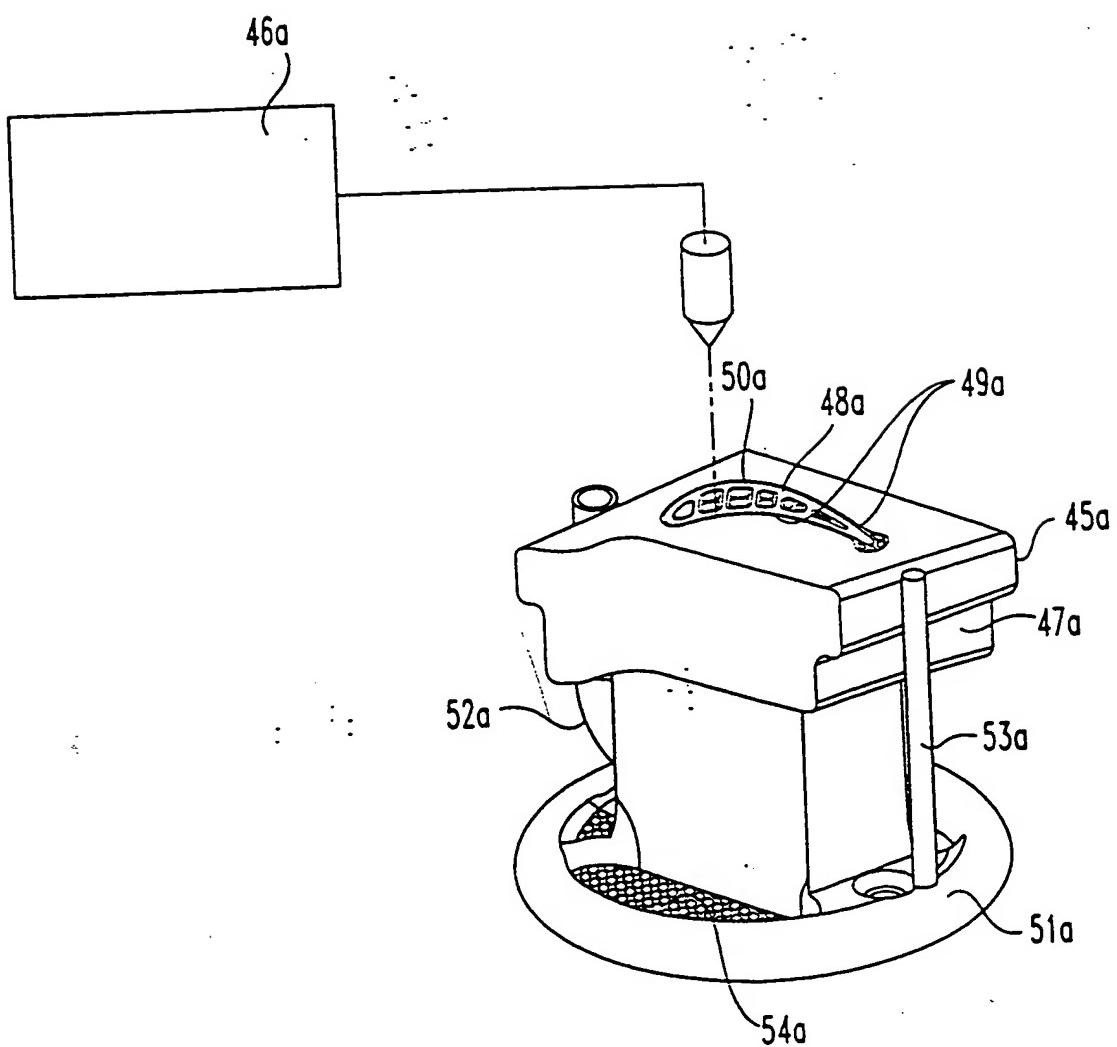


Fig. 9

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

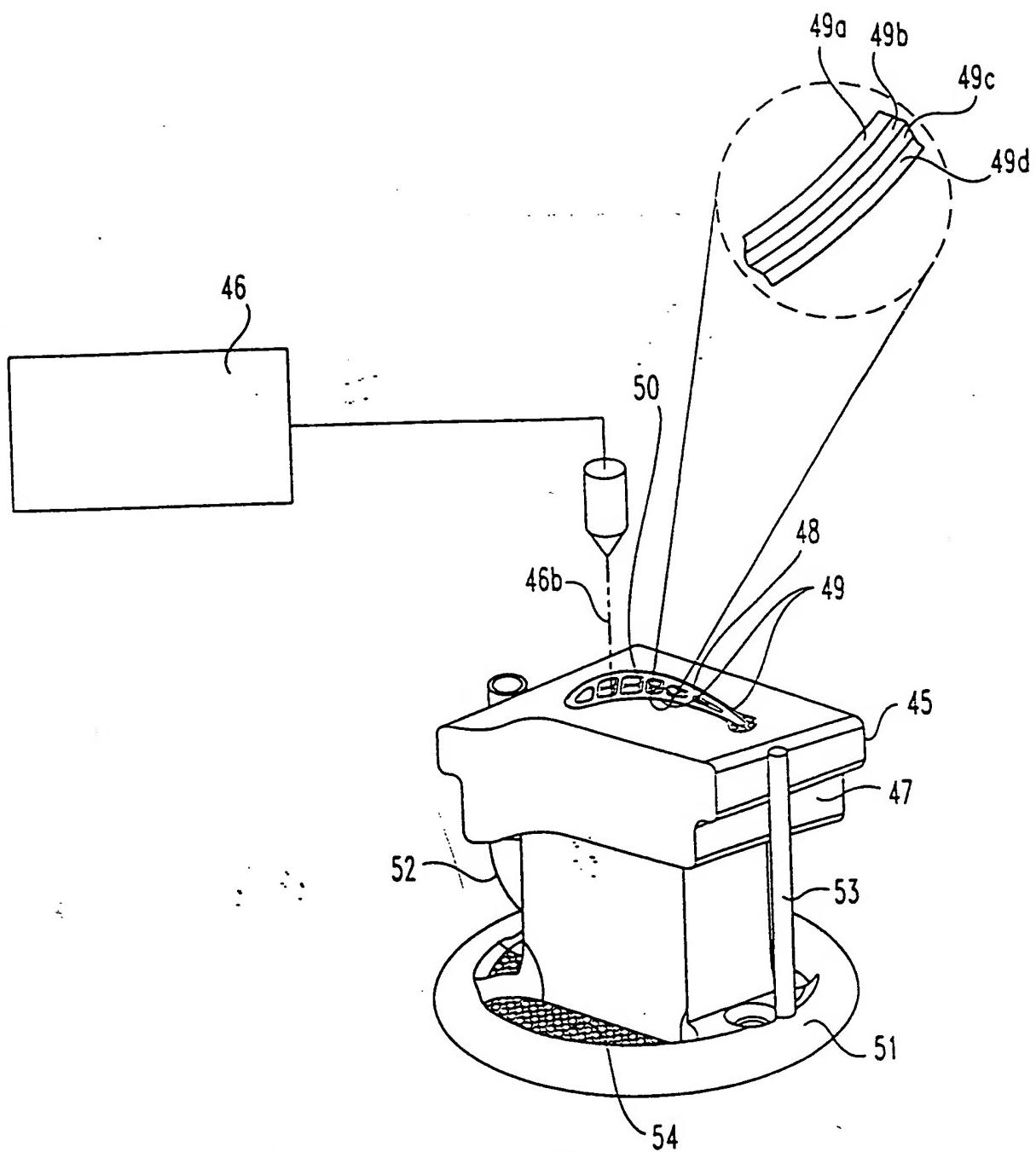


Fig. 10

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

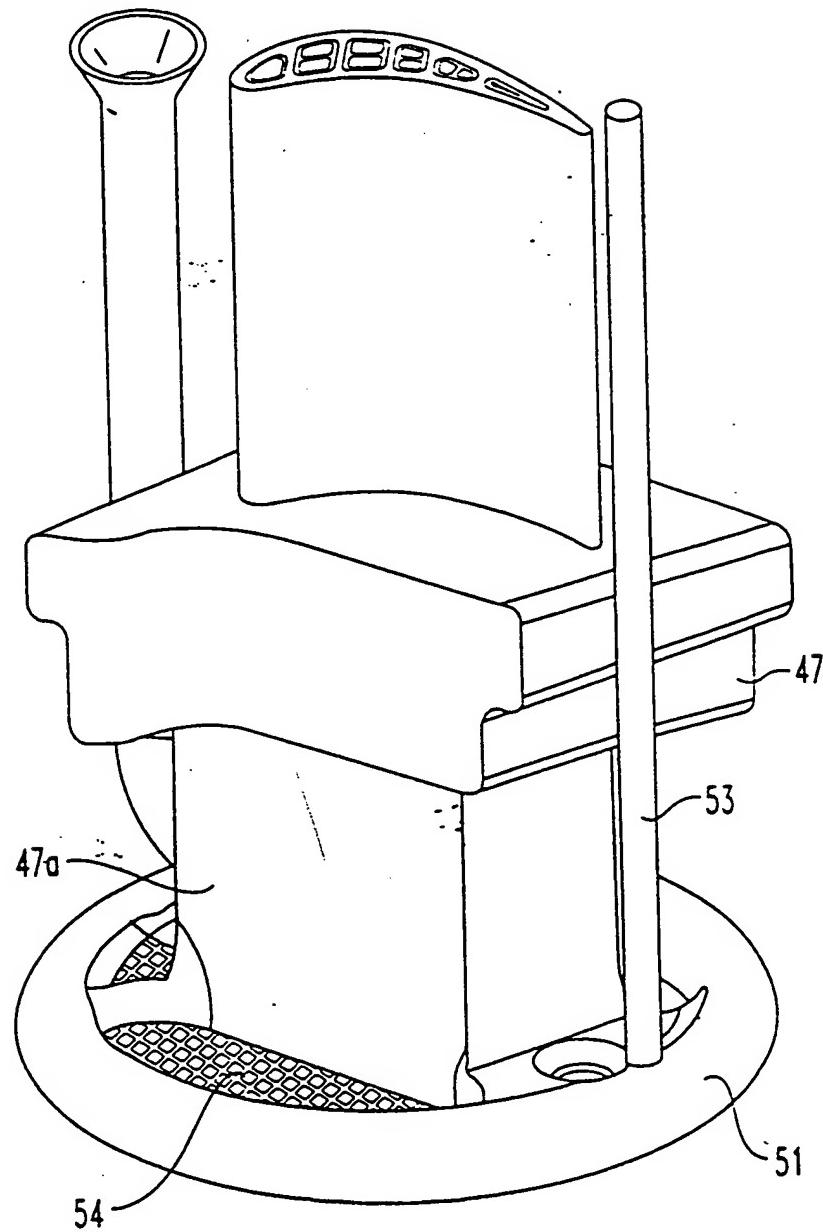


Fig. 11

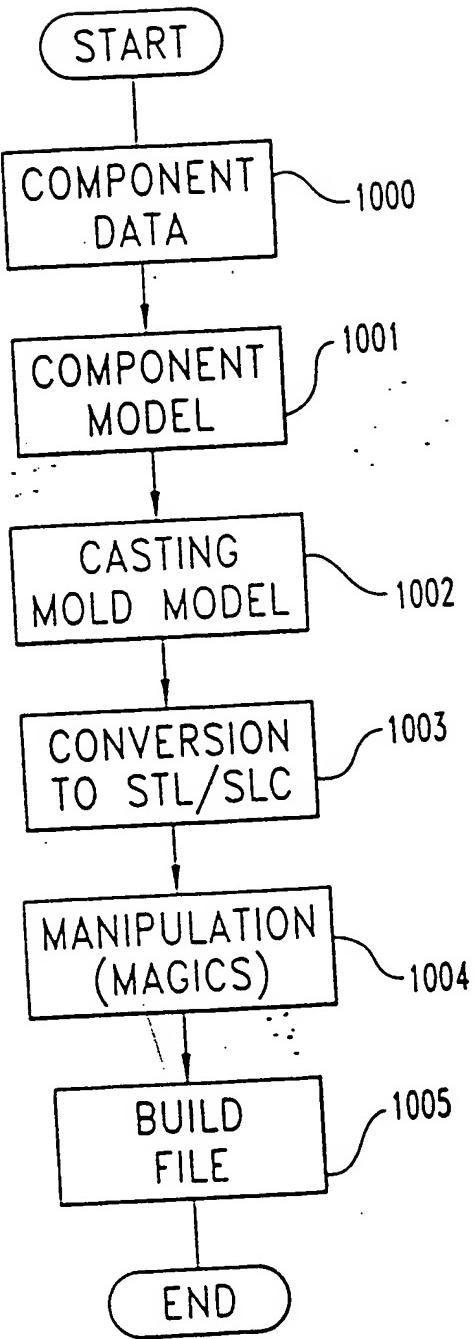


Fig. 12

Export Controlled Information
This information may not be exported, released, or disclosed to foreign
nationals without first complying with the export license requirements of the
International Traffic in Arms Regulations (ITAR) and/or the Export
Administration Regulation (EAR). Violation of ITAR or EAR may be subject
to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under
18 U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include
this notice with any reproduction portion of this document.

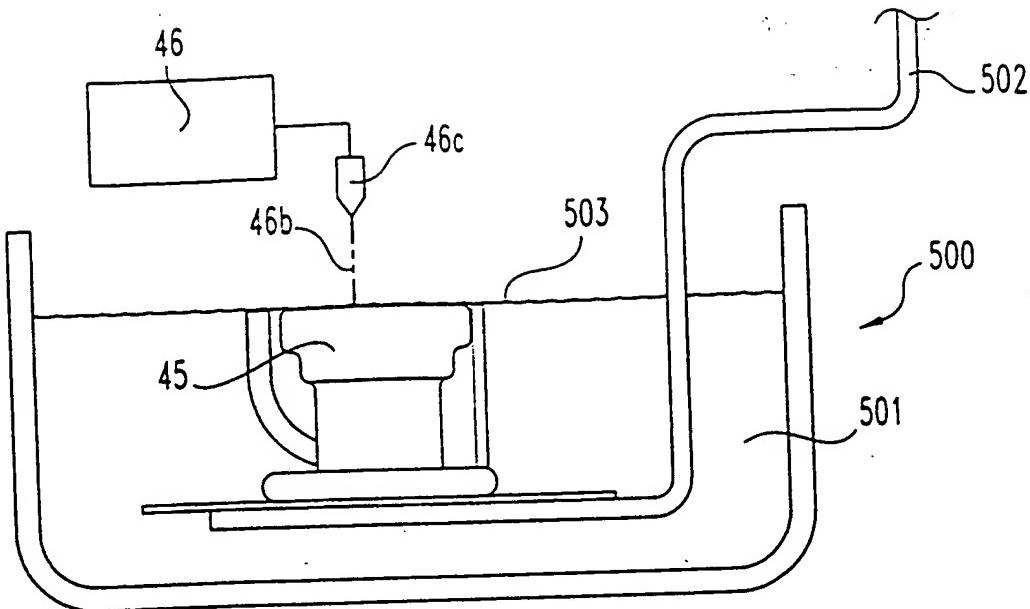


Fig. 13

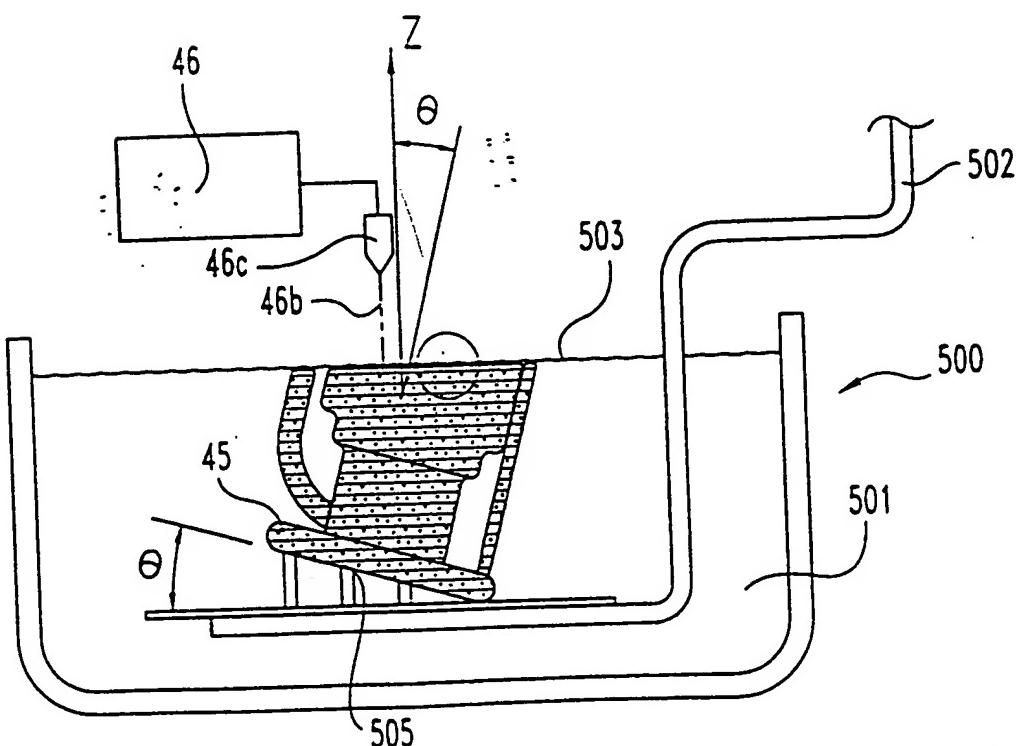


Fig. 14

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

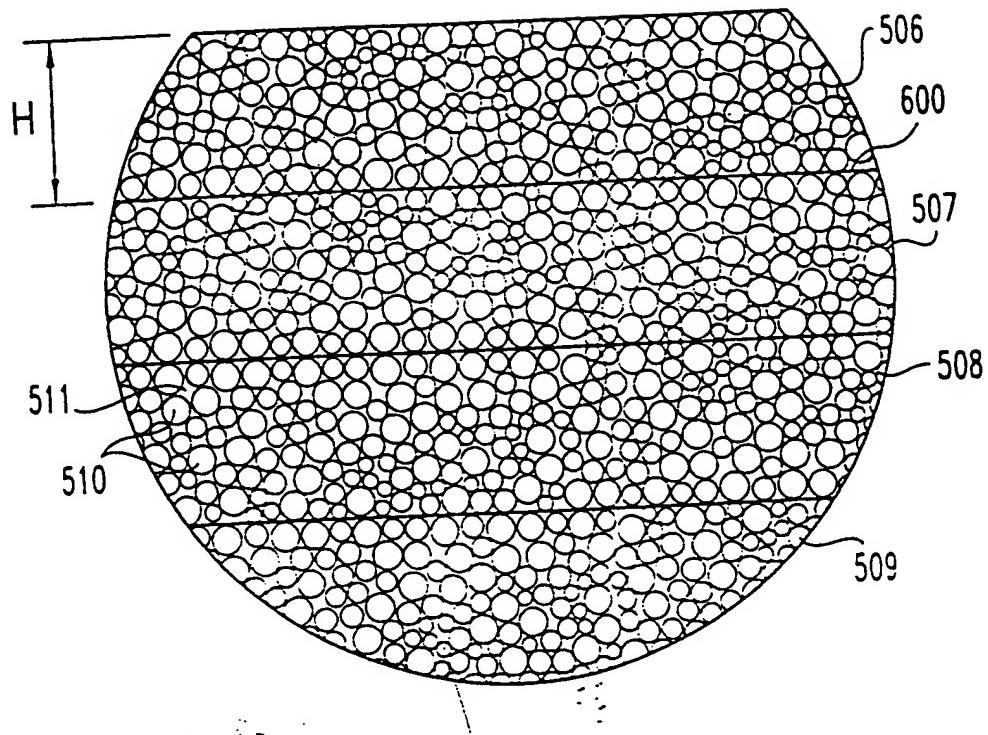
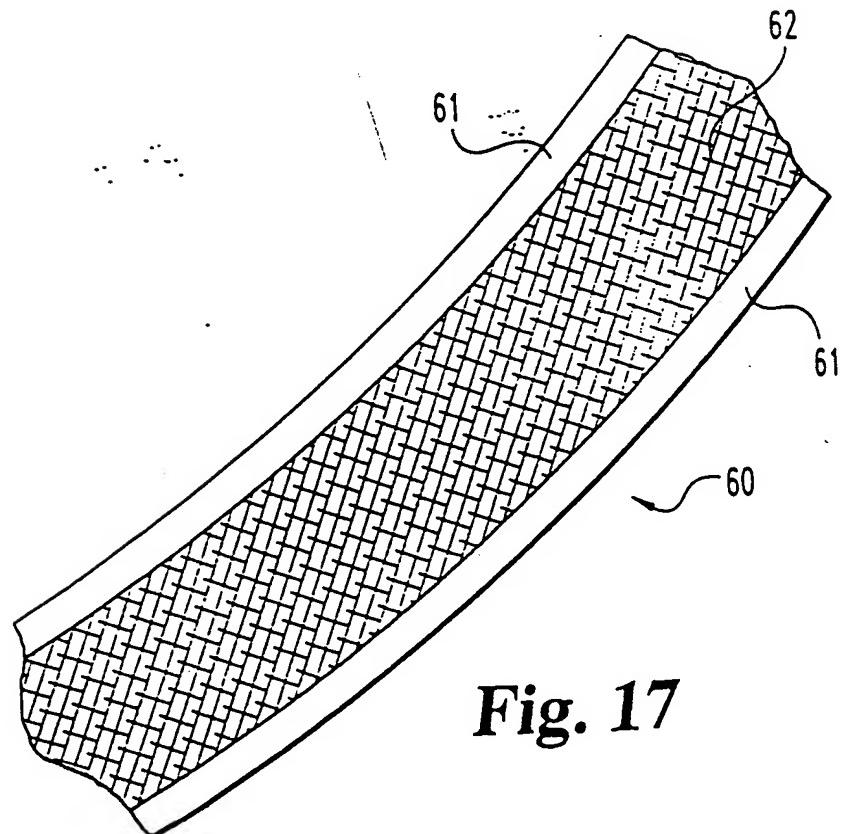
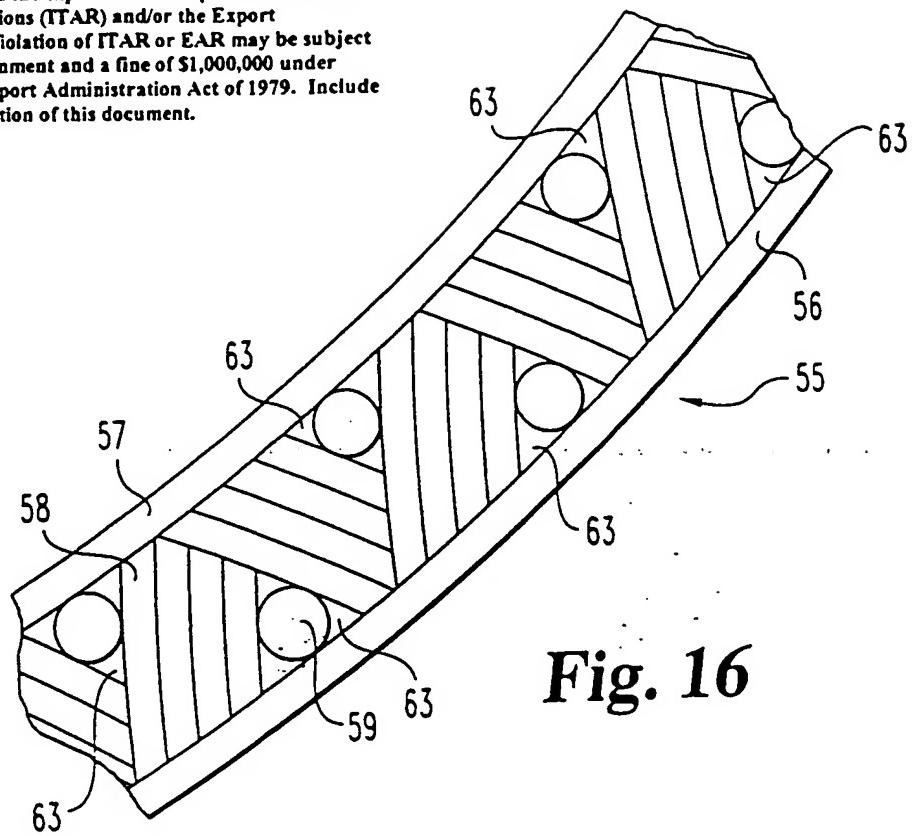


Fig. 15

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under 18 U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include his notice with any reproduction portion of this document.

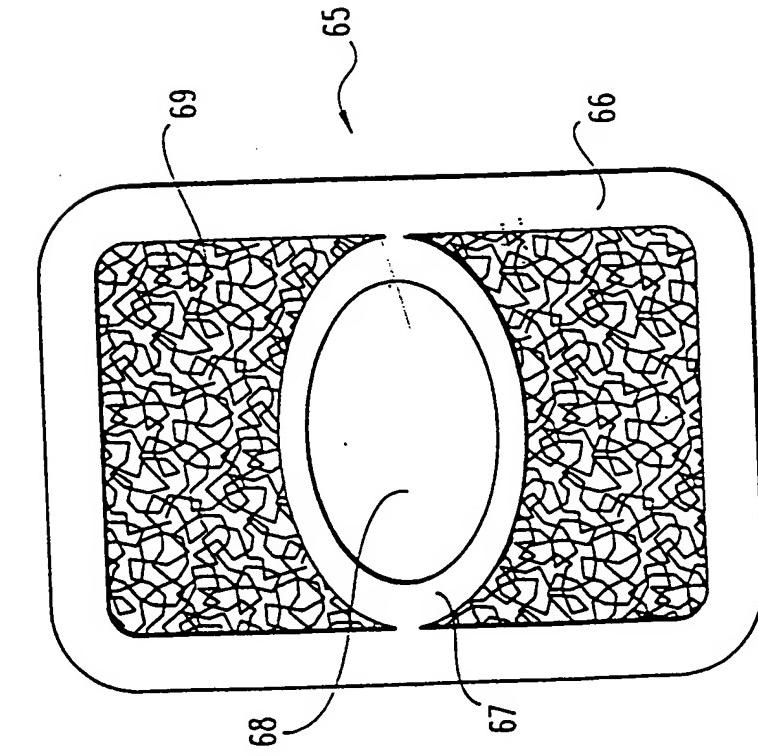


Fig. 18

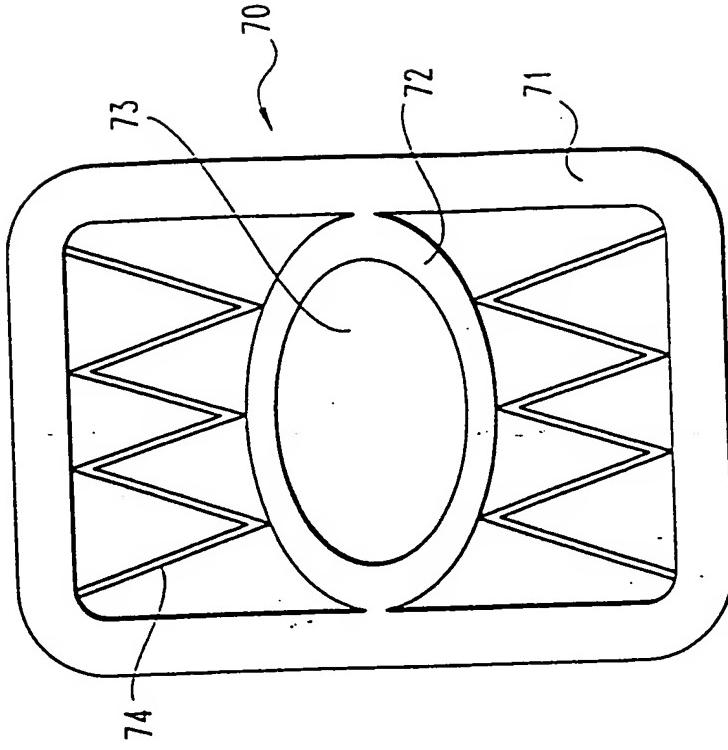


Fig. 19

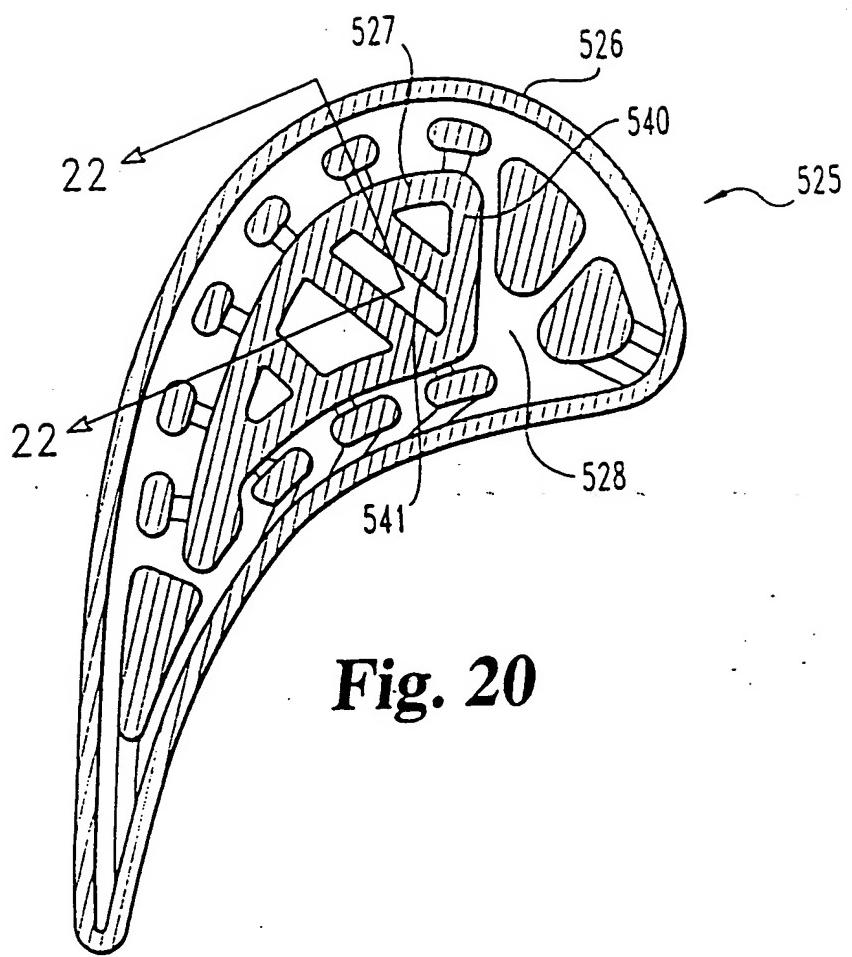


Fig. 20

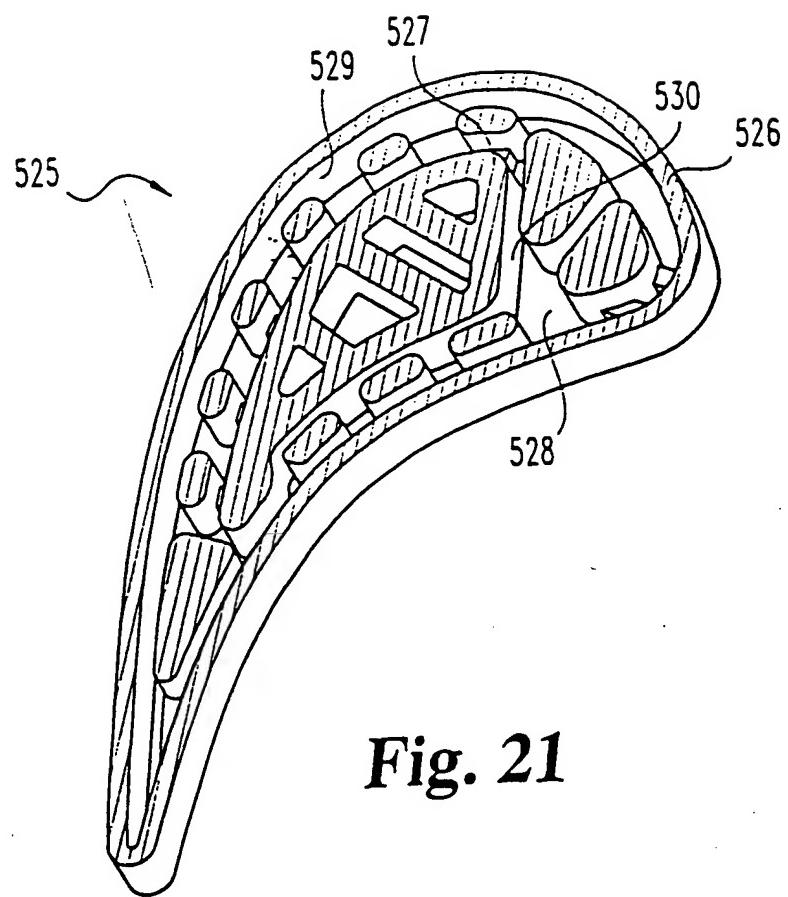


Fig. 21

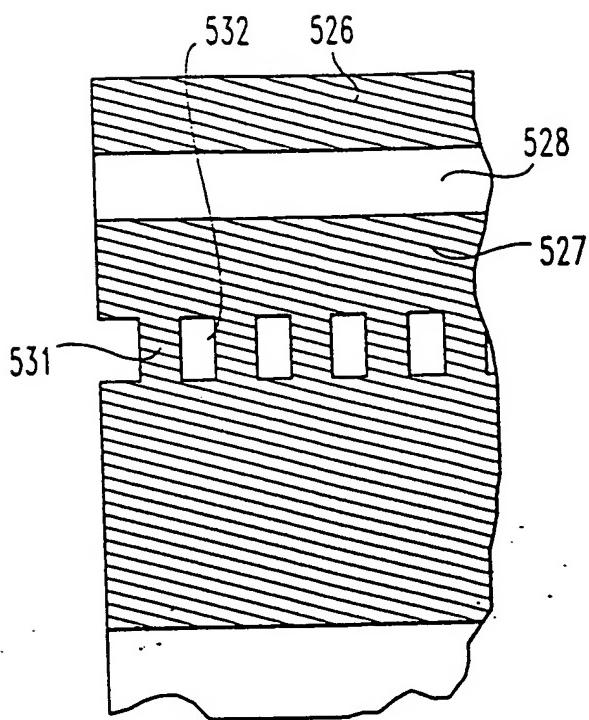


Fig. 22

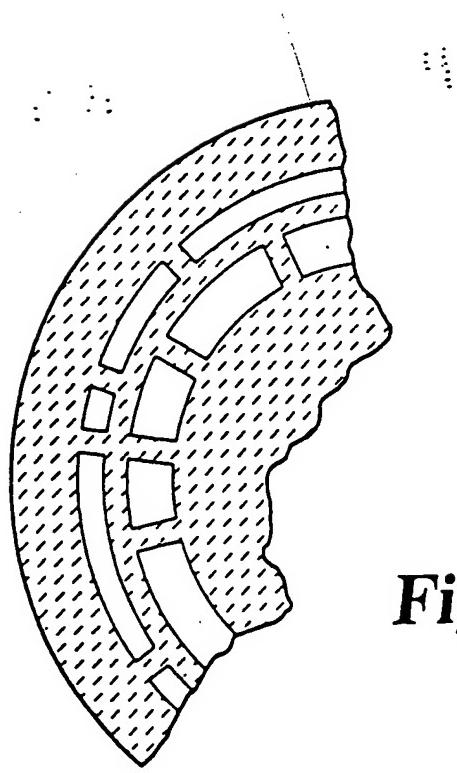


Fig. 23

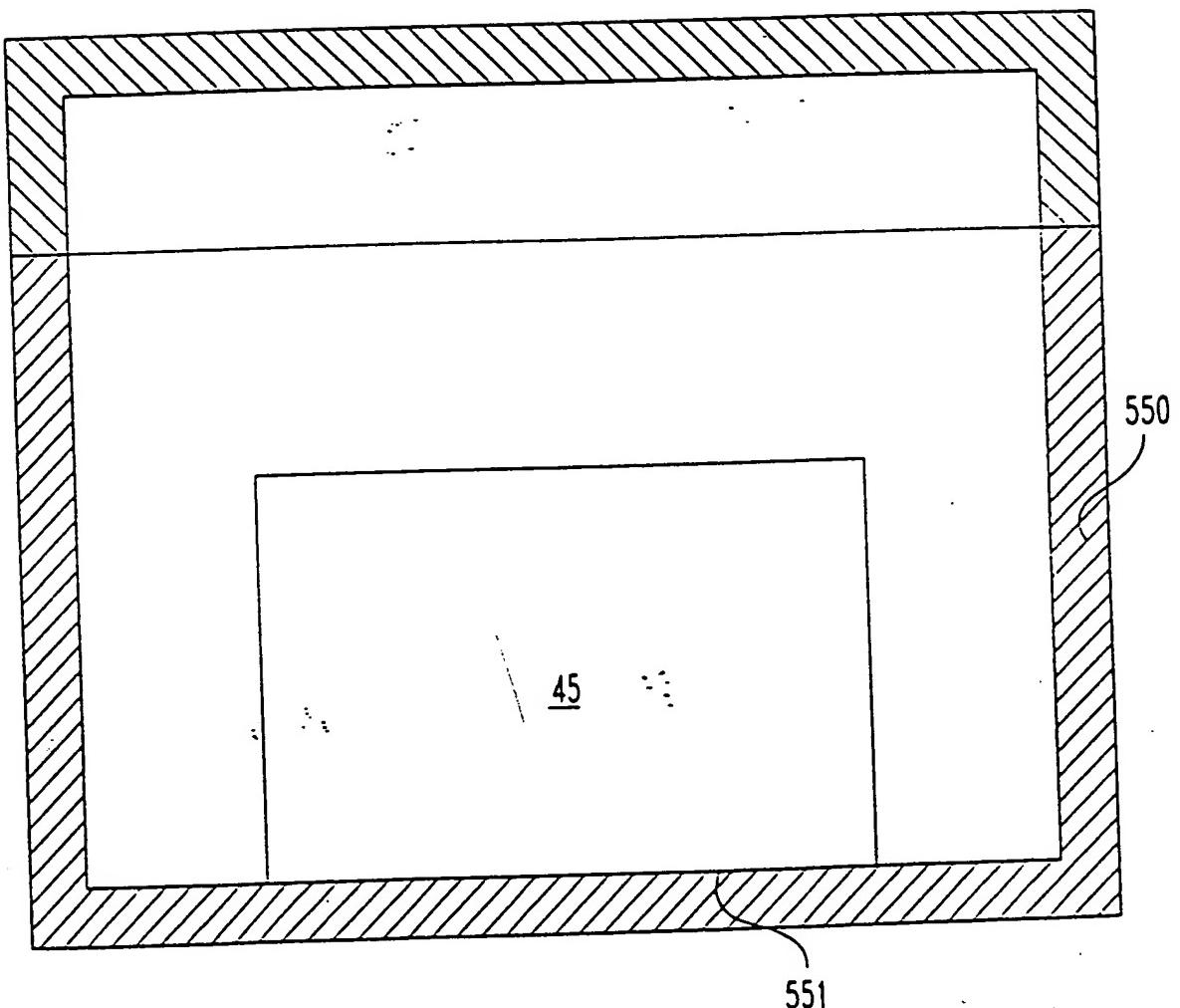


Fig. 24

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

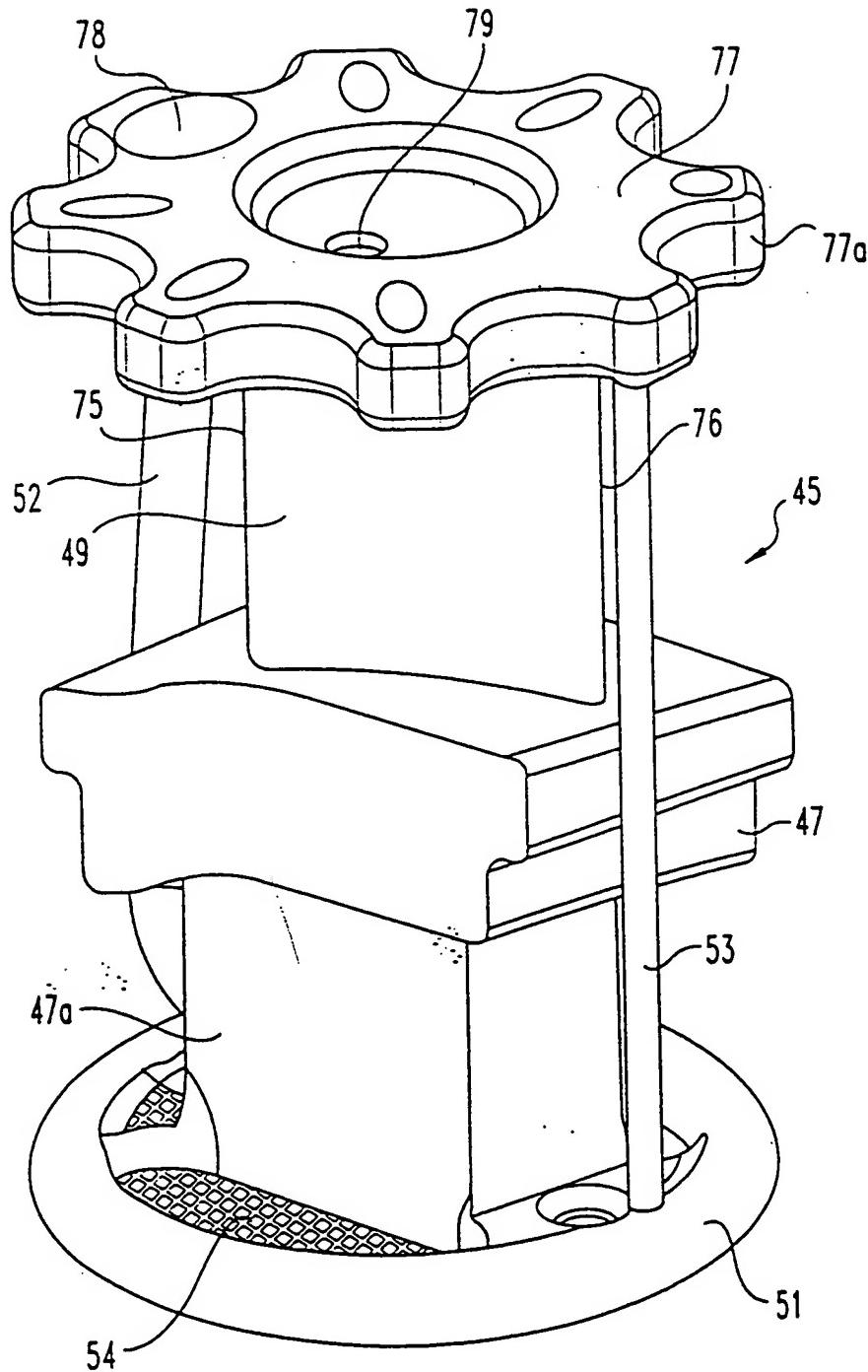


Fig. 25

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

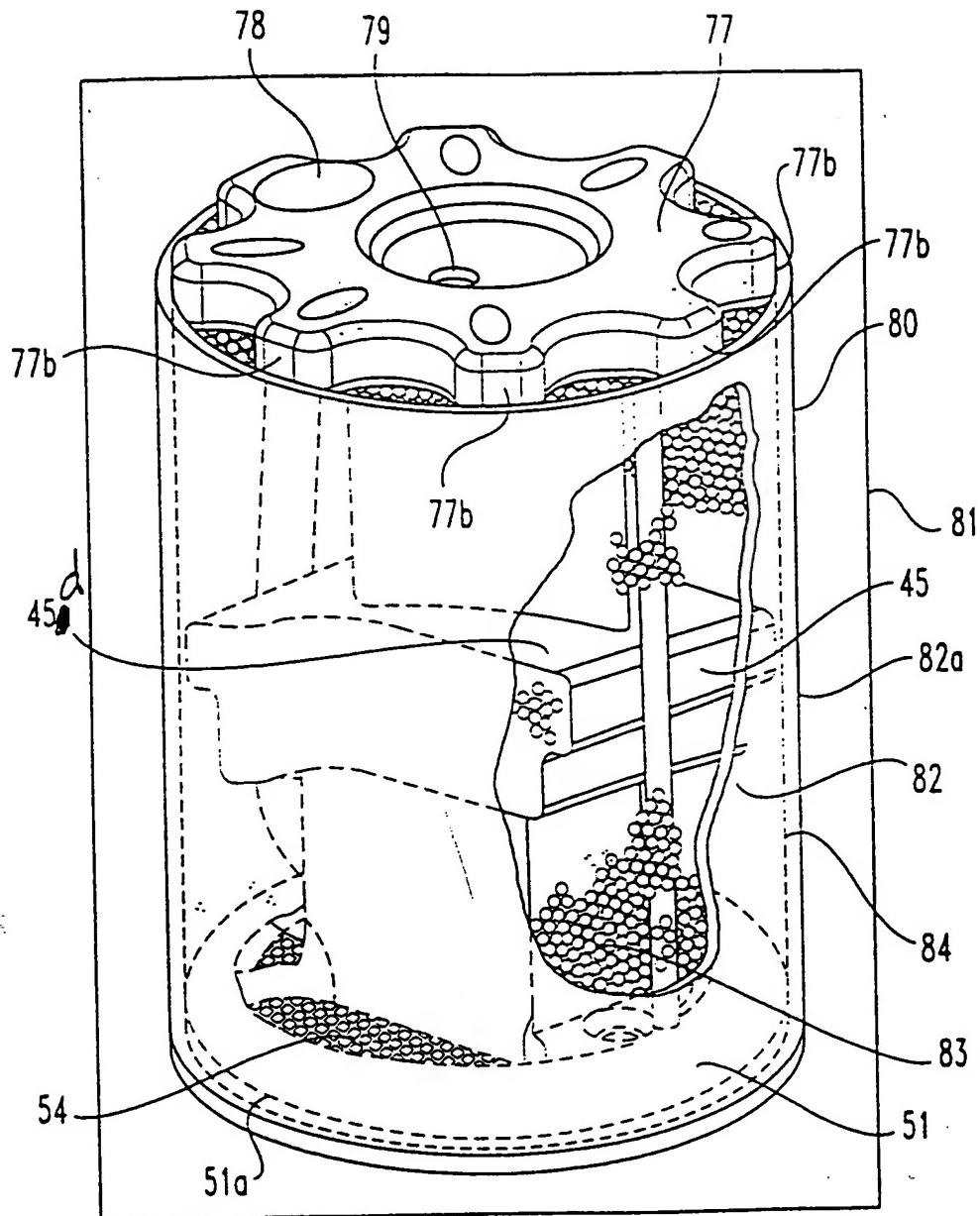


Fig. 26

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

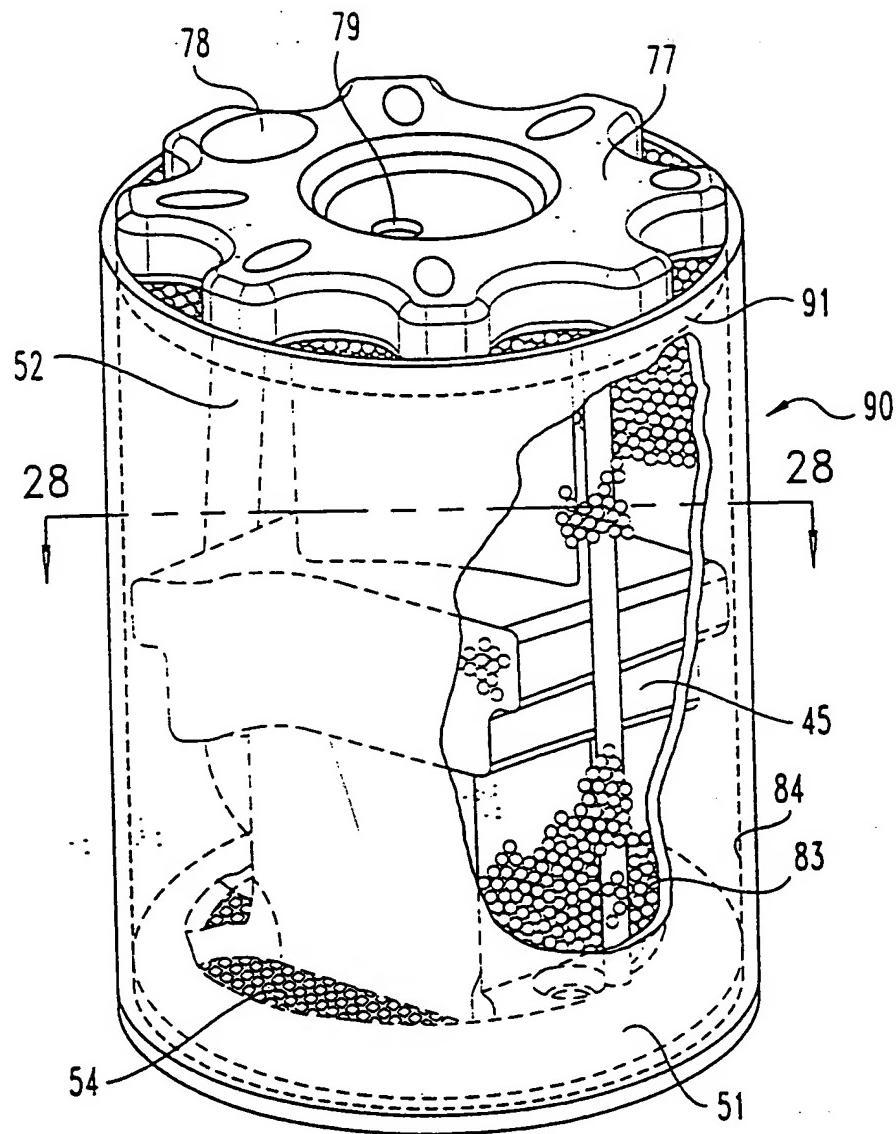


Fig. 27

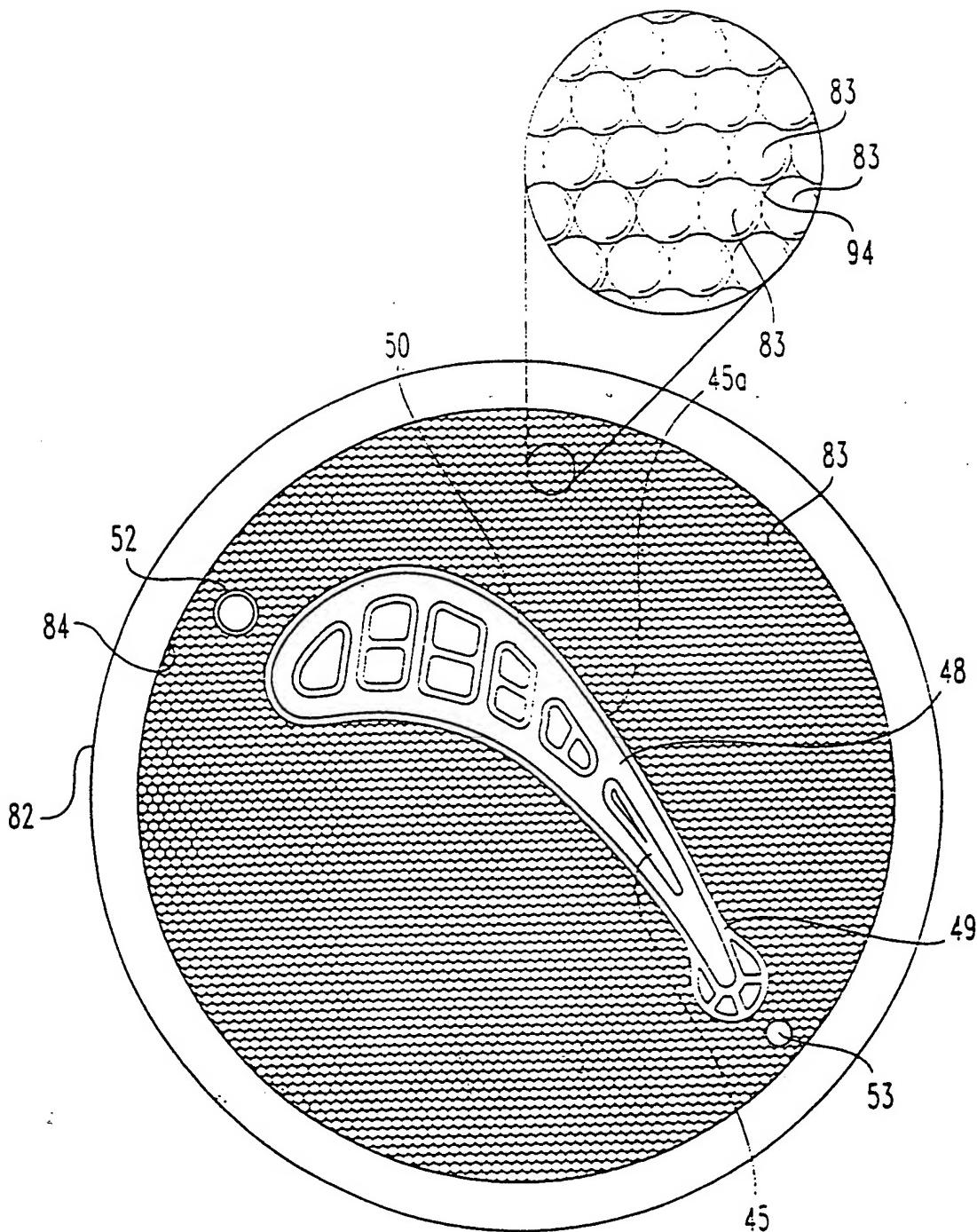


Fig. 28

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

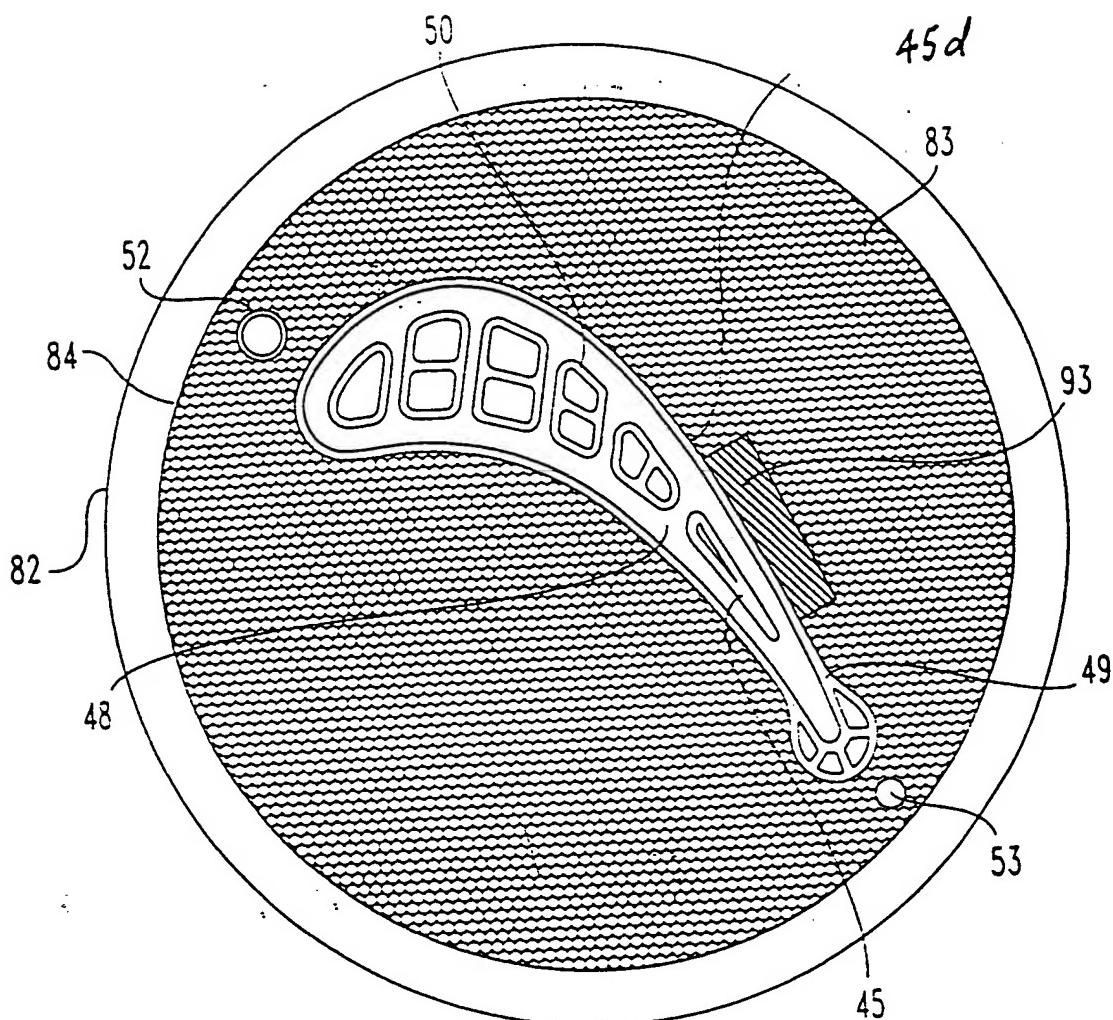


Fig. 29

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction.

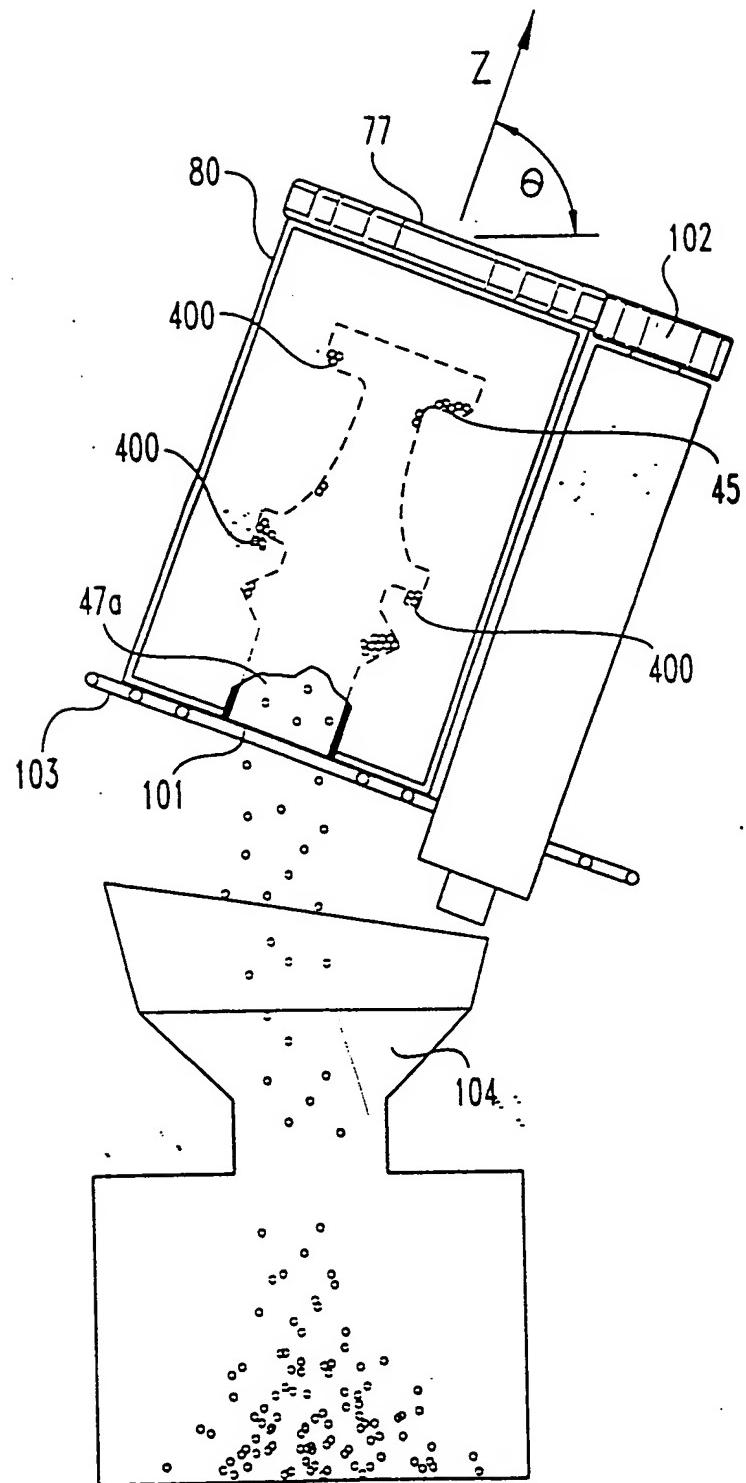


Fig. 30

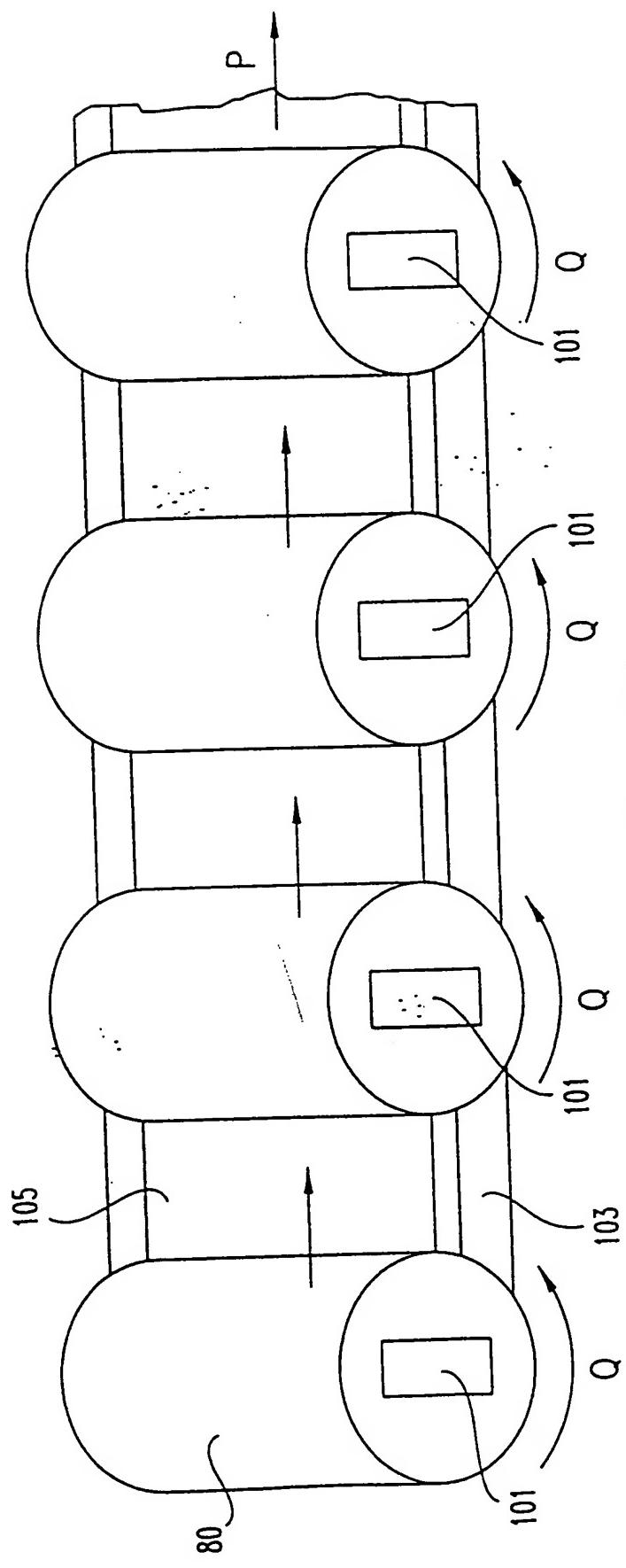


Fig. 31

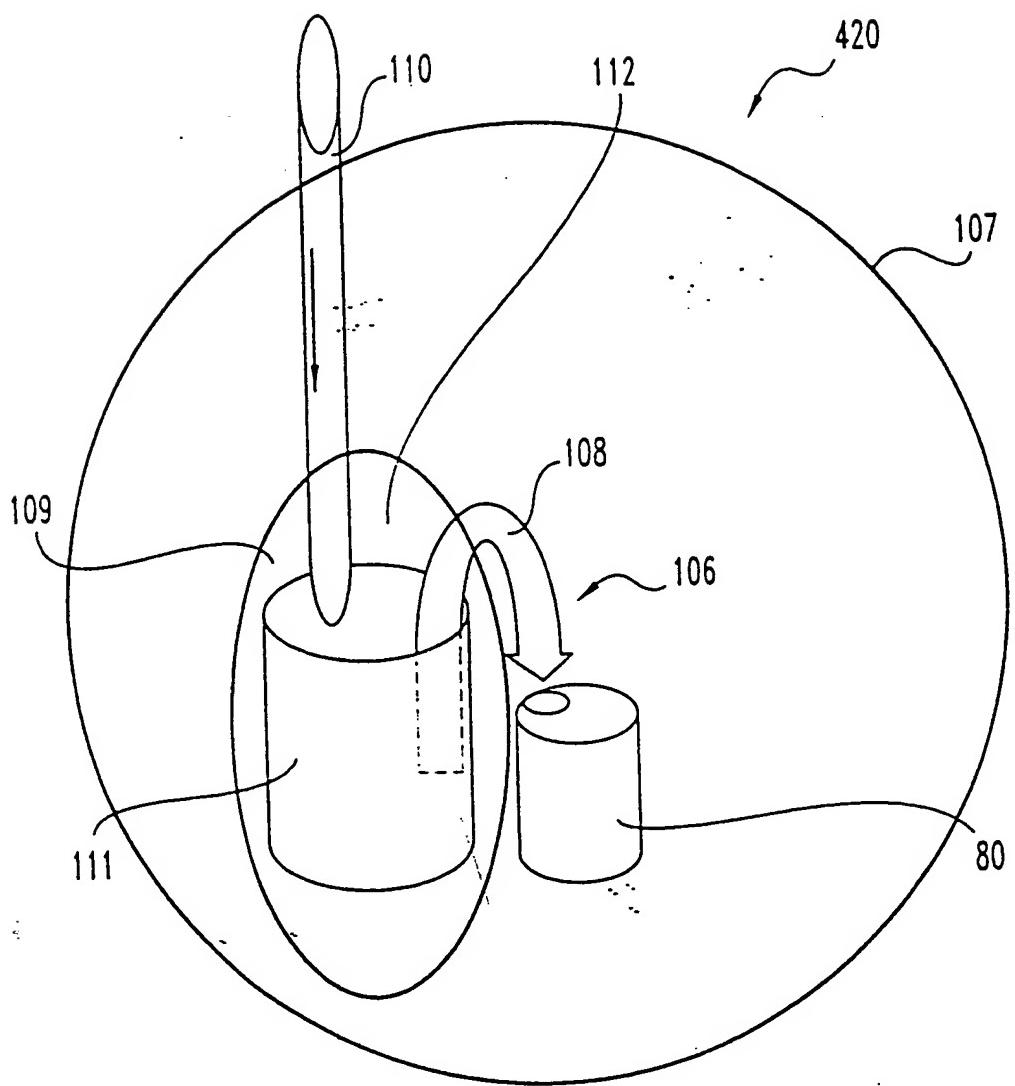
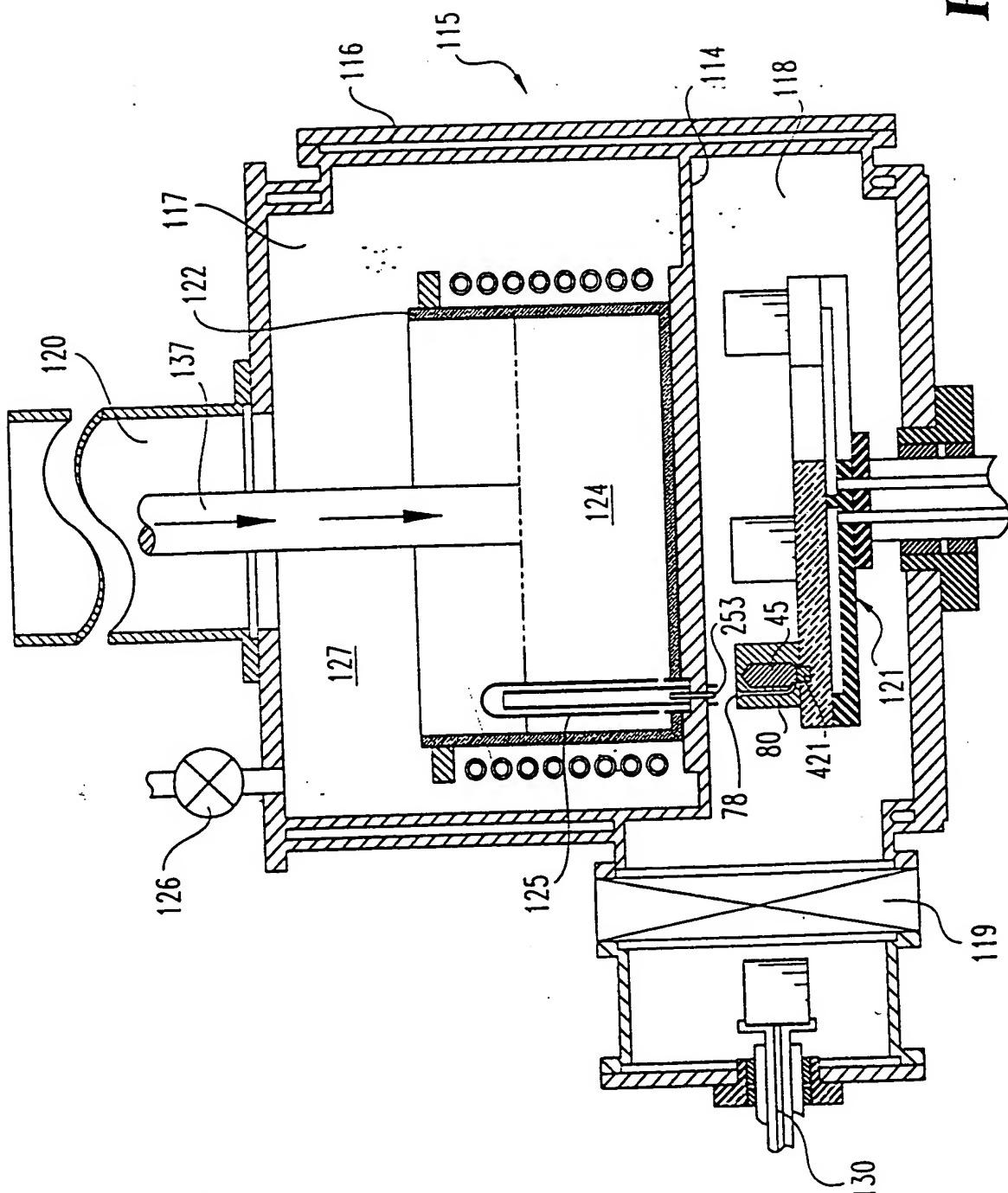


Fig. 32

Fig. 33



Export Controlled Information

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction.

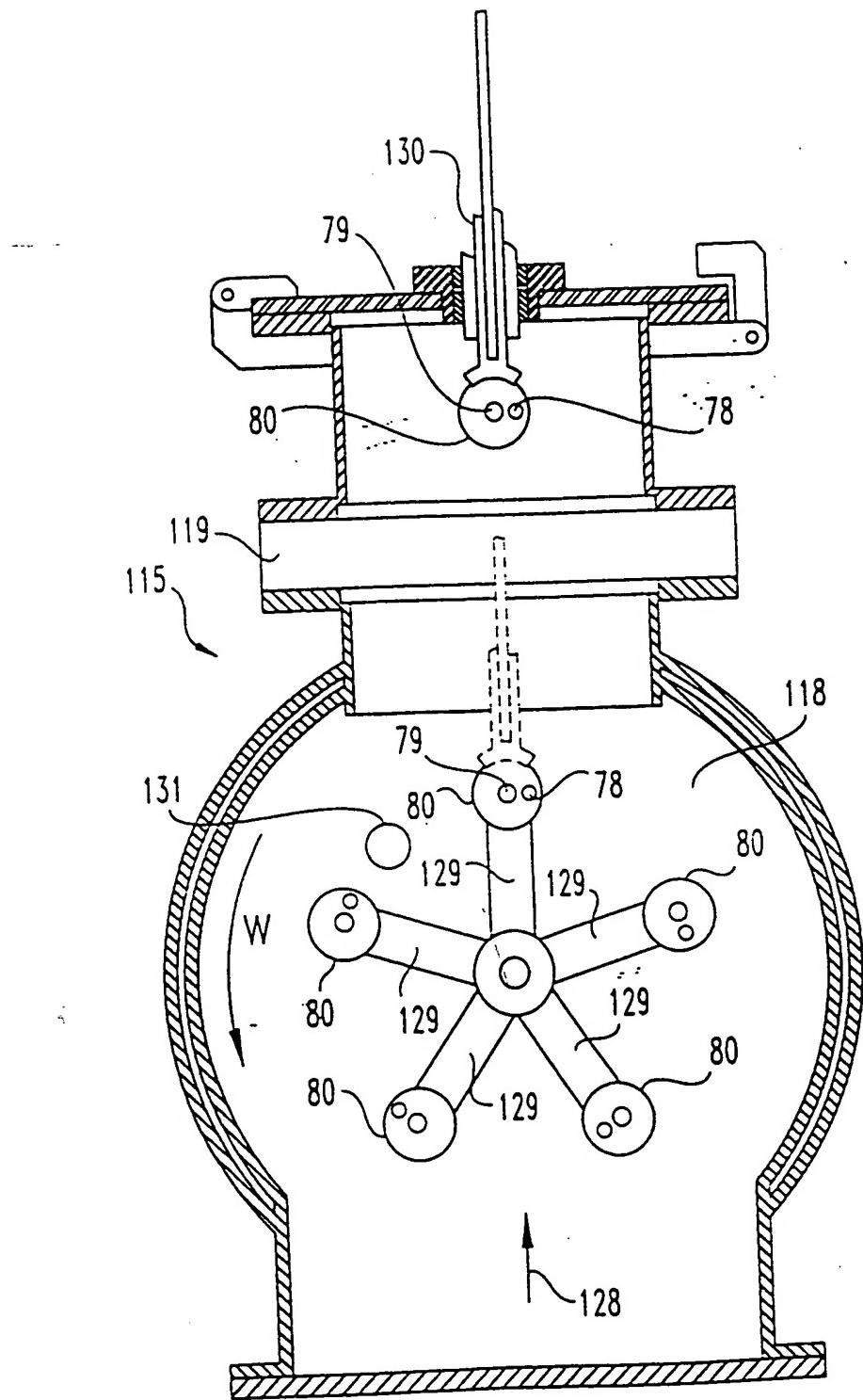
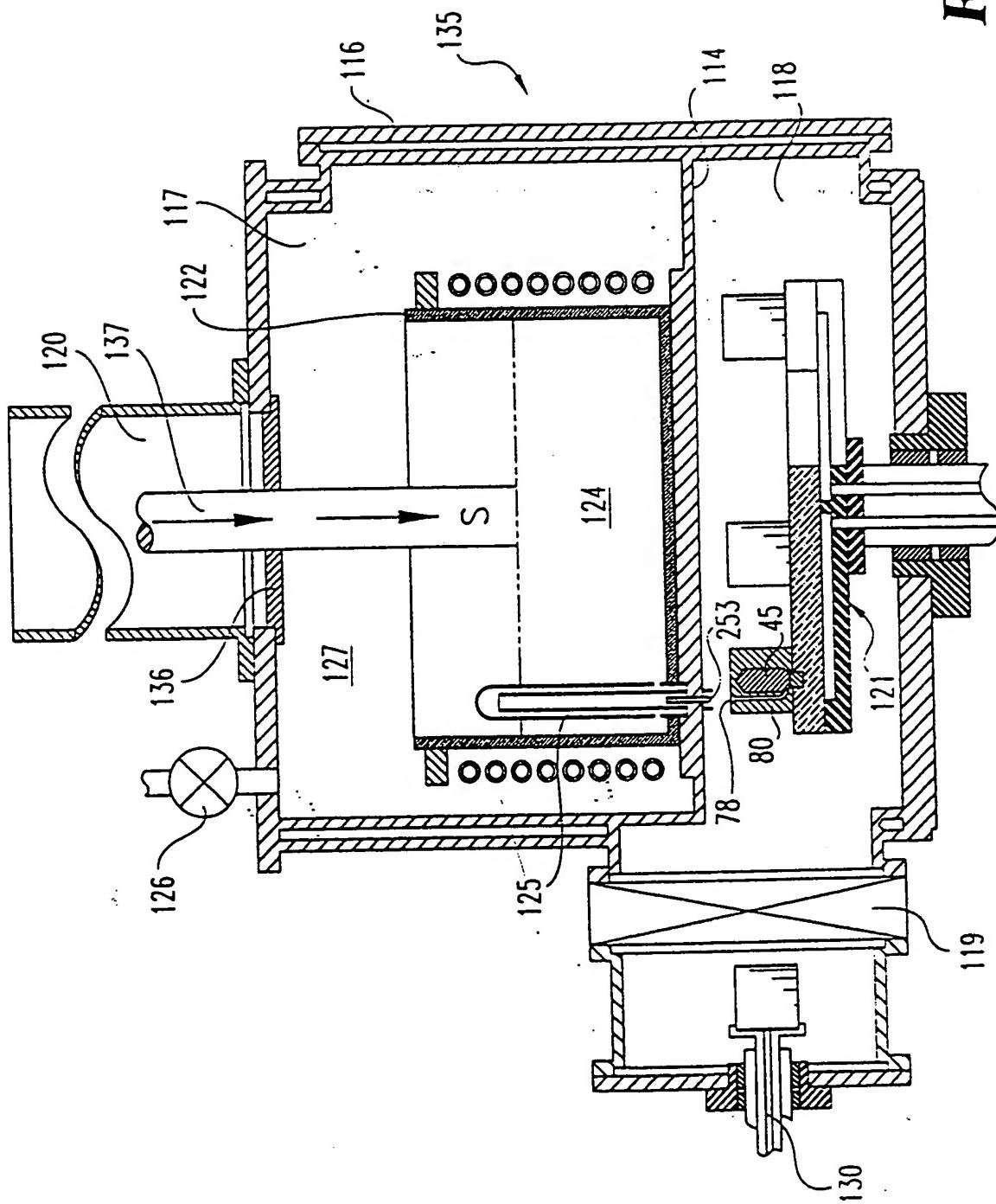


Fig. 34

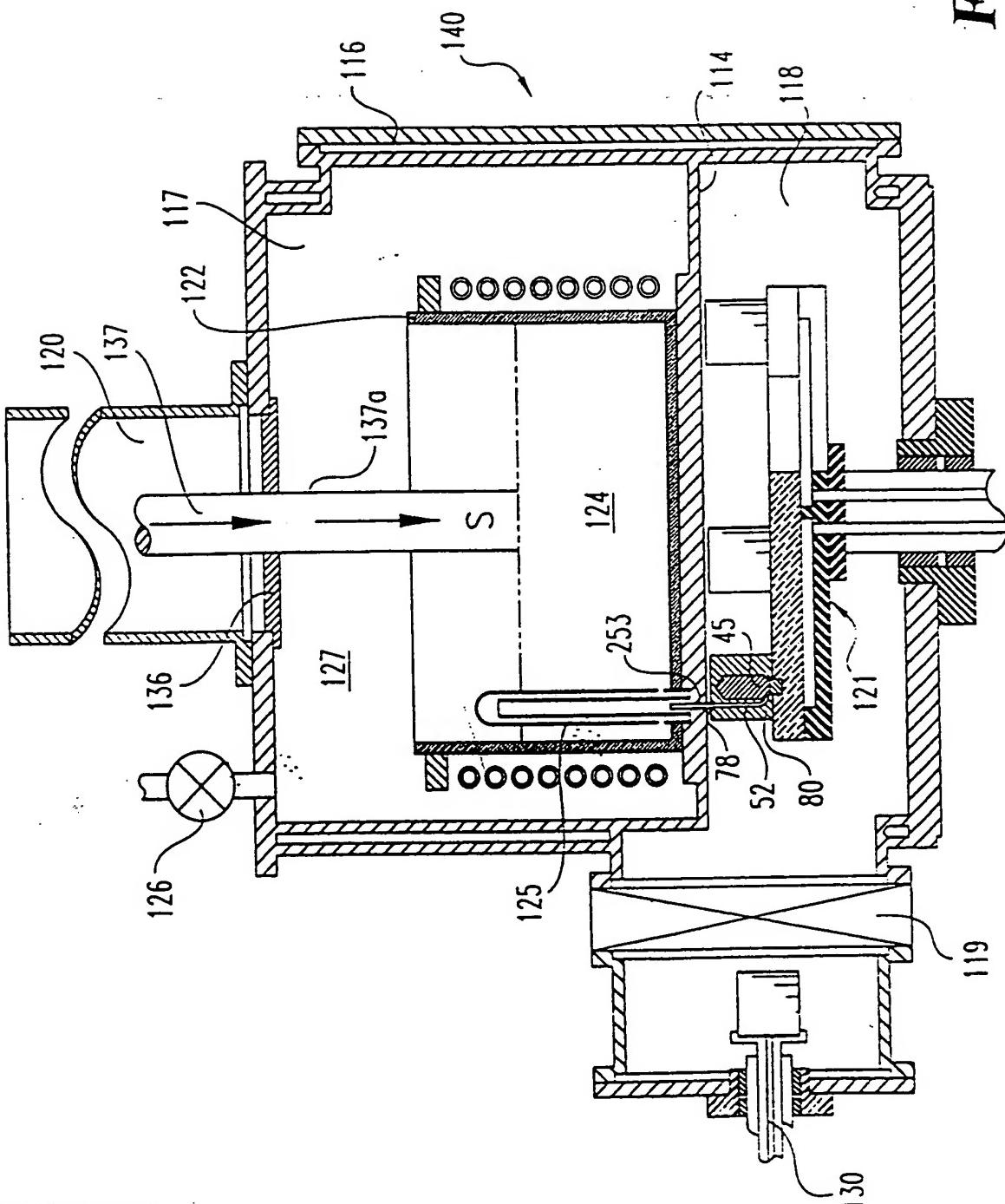
Fig. 35



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

Fig. 36



Export Controlled Information

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nations without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

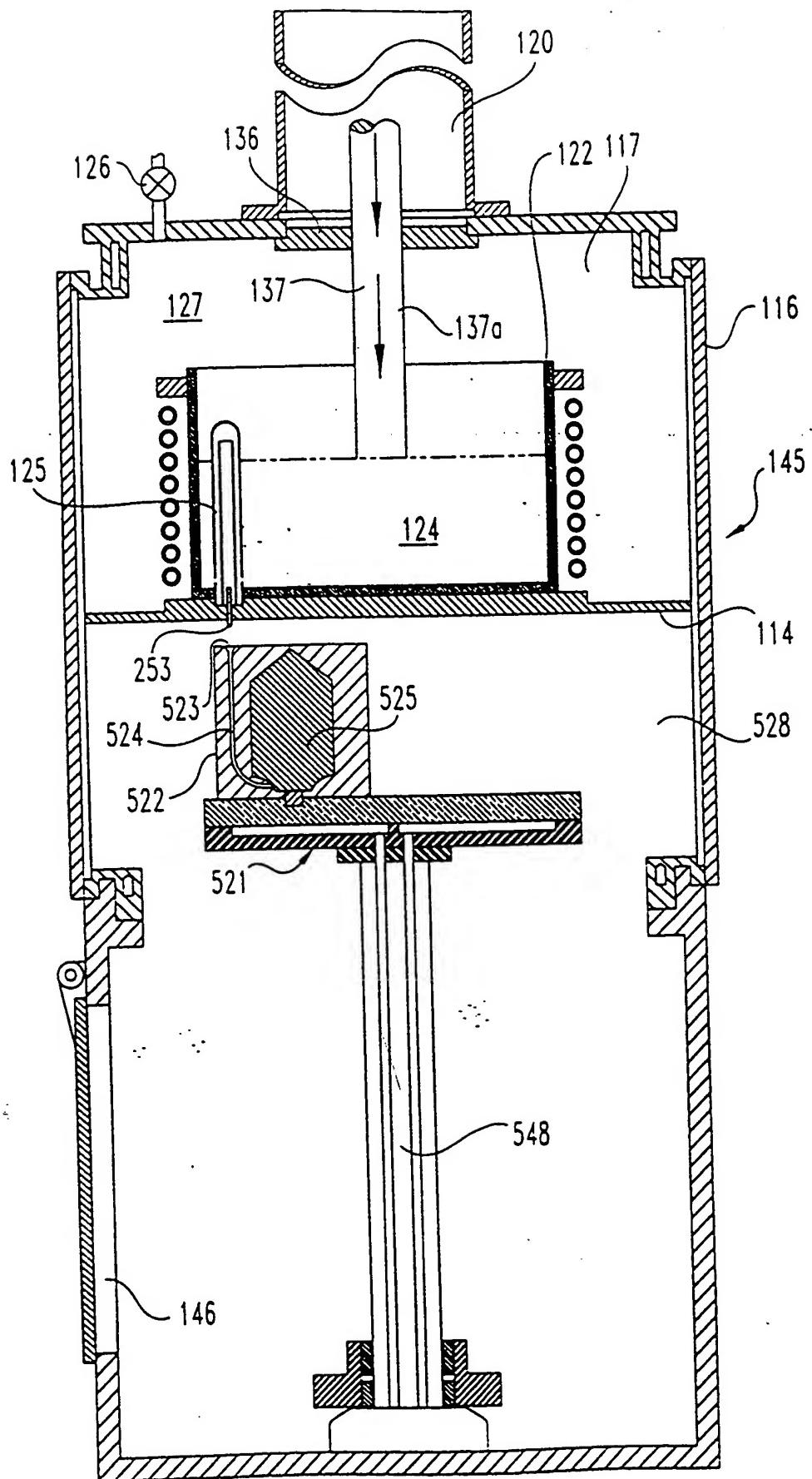


Fig. 37

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2738 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

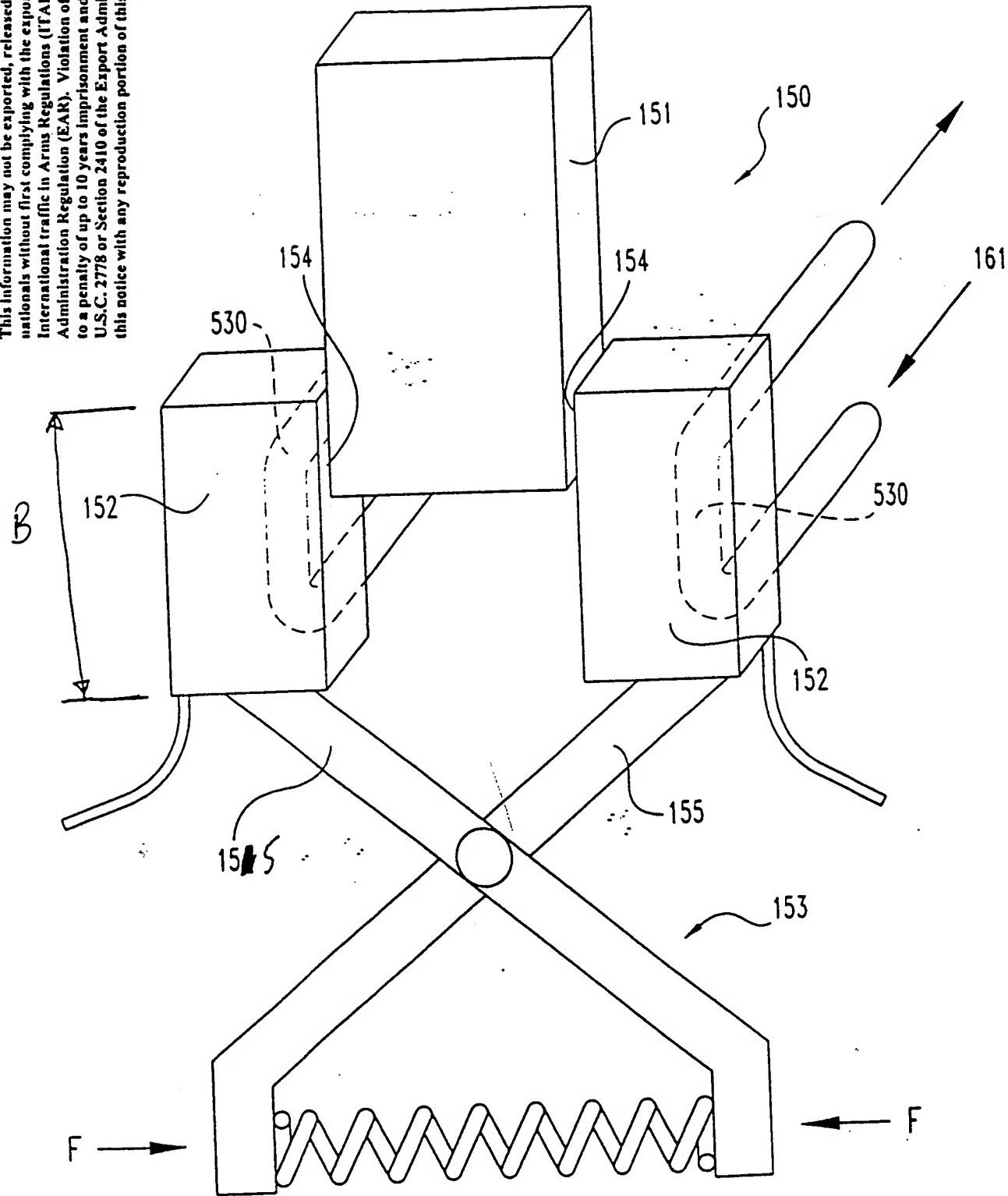


Fig. 38

Export Controlled Information

This information may not be sold, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

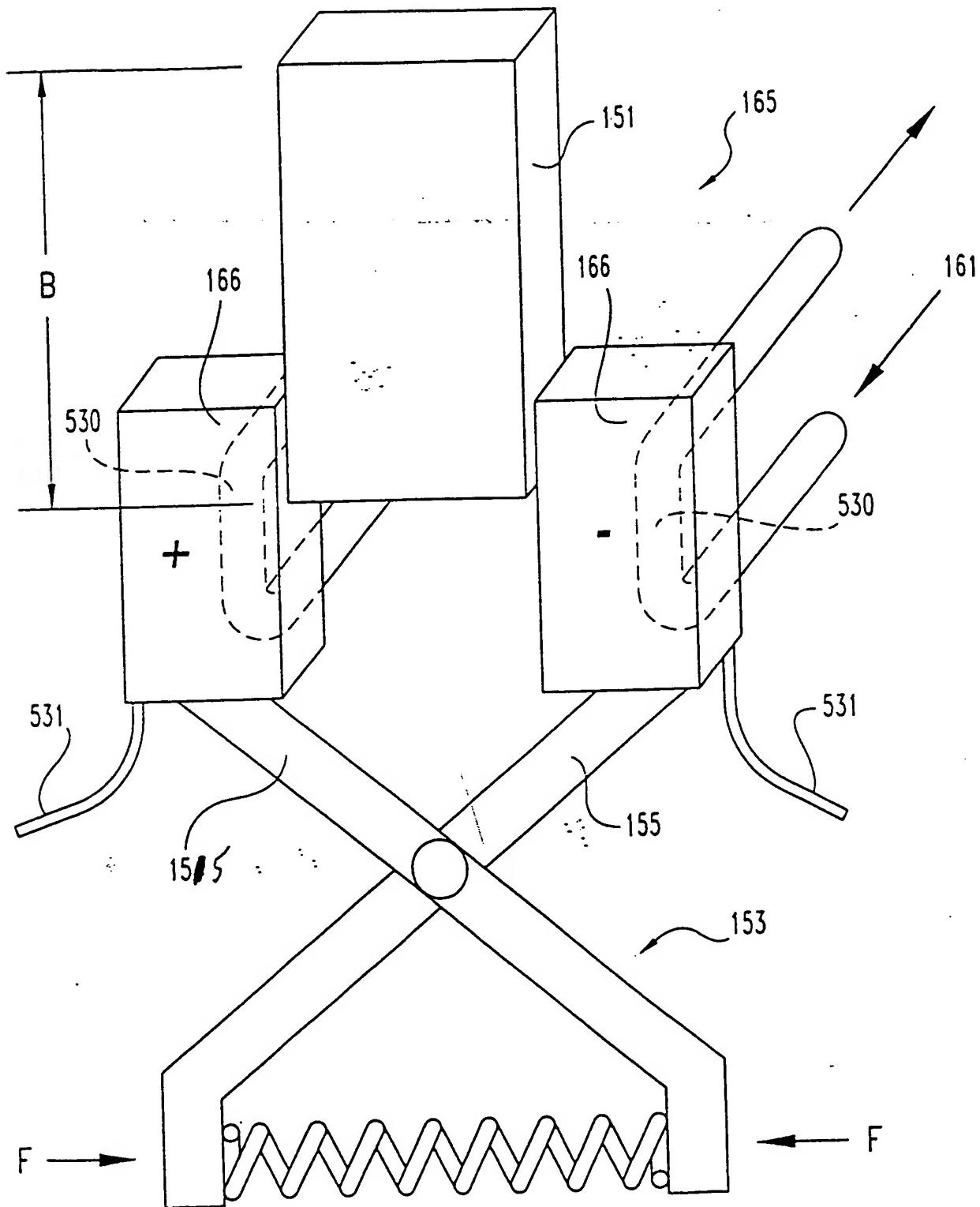


Fig. 39

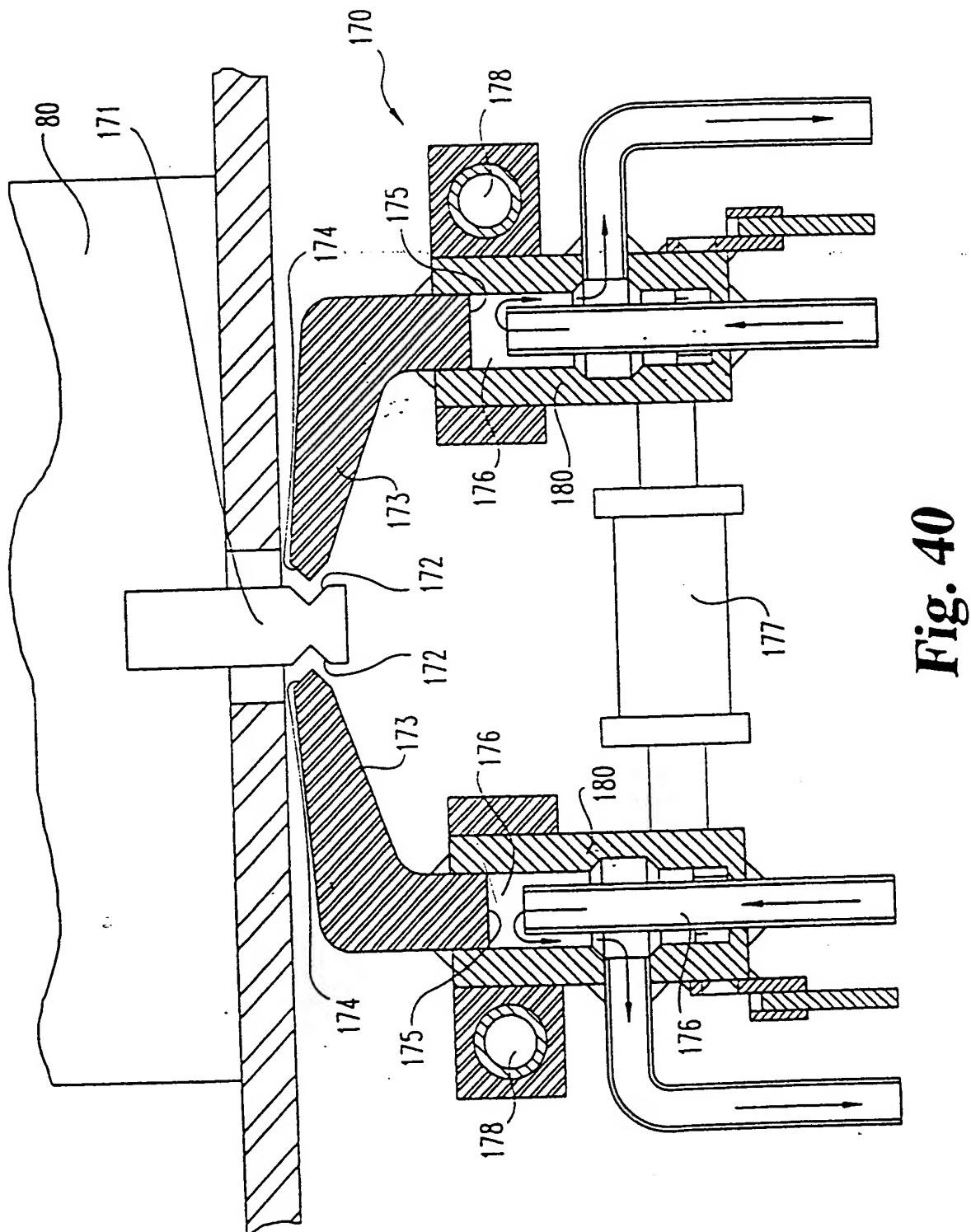
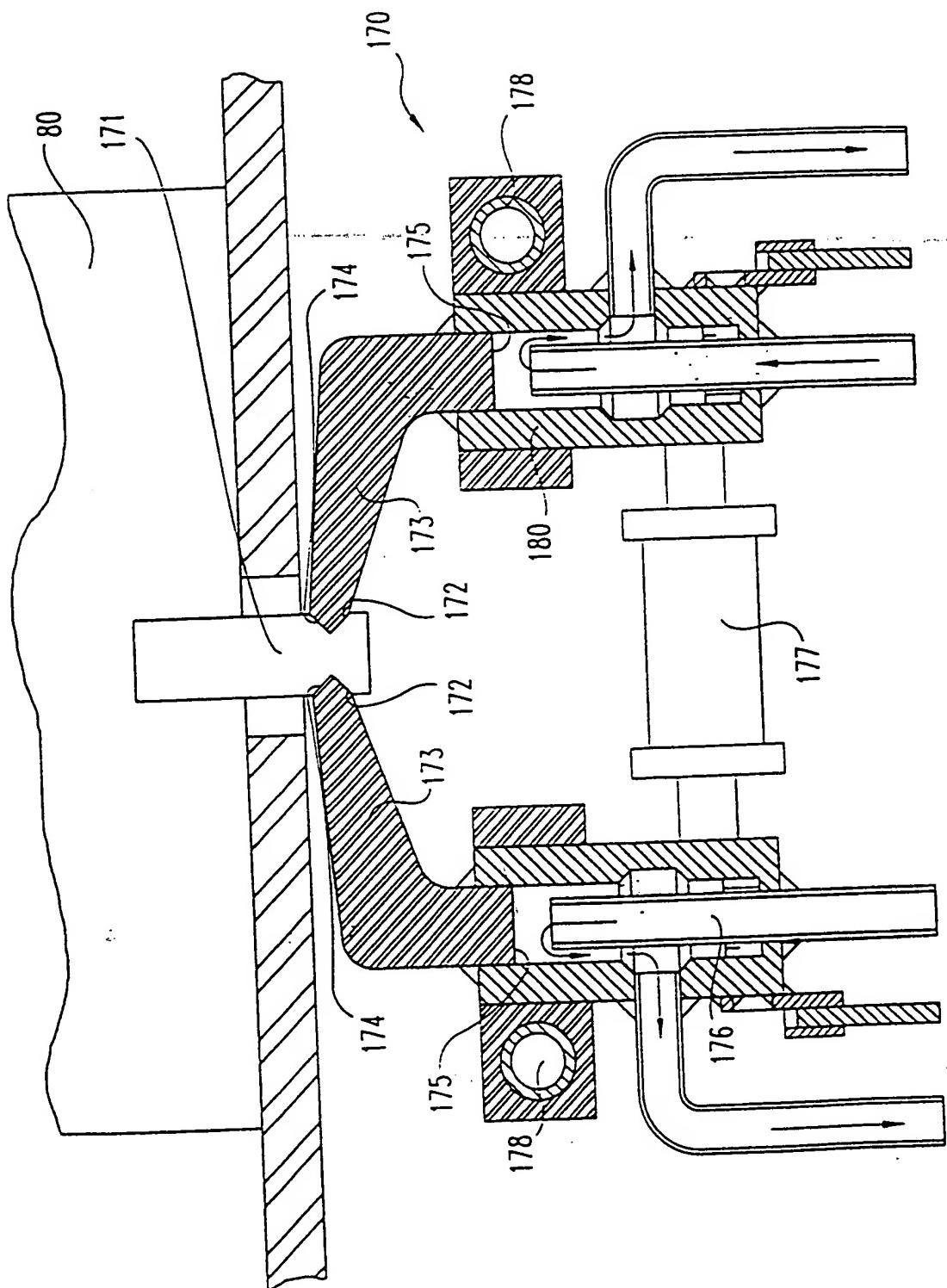


Fig. 40

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

Fig. 41



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nations without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

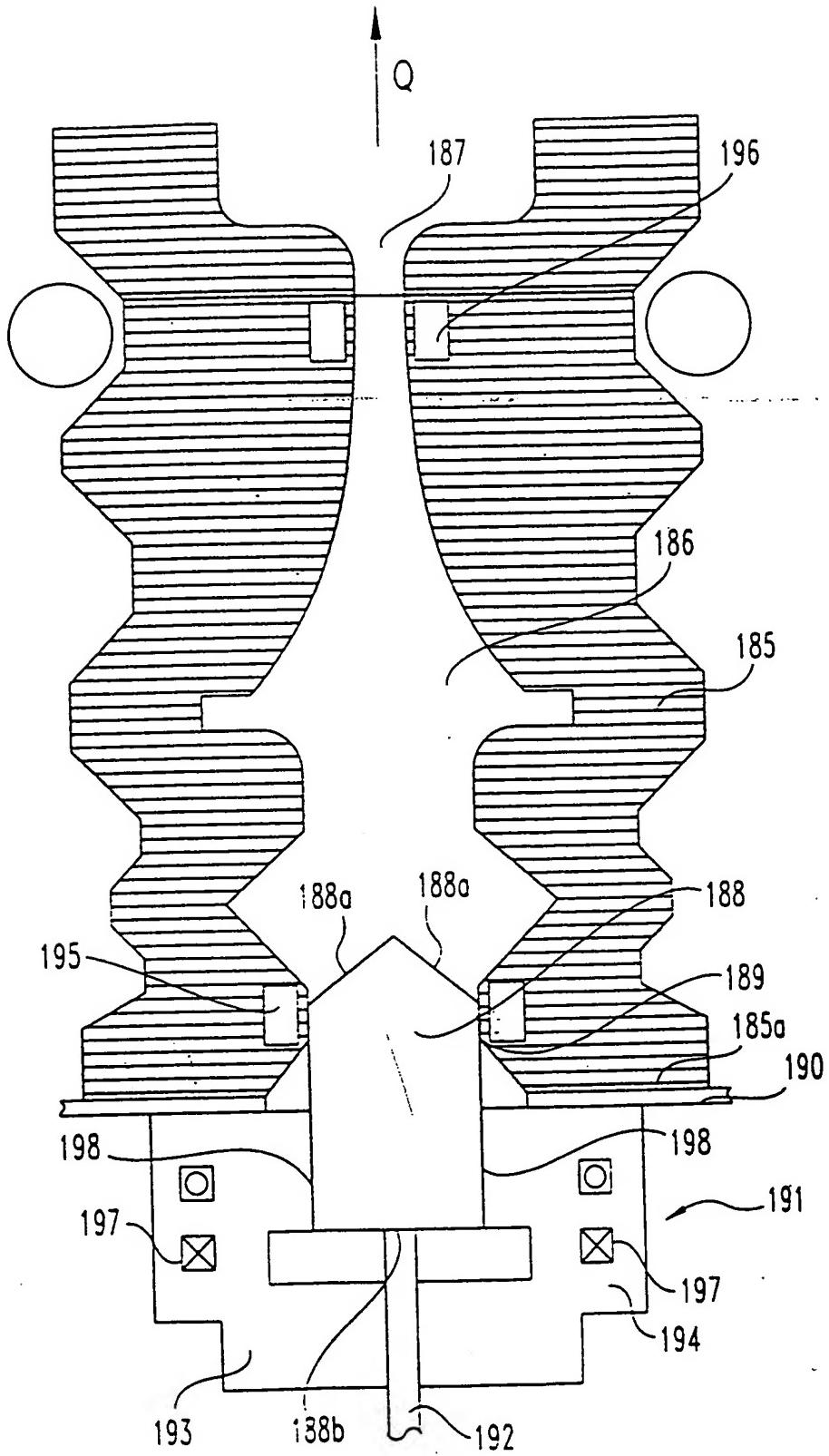
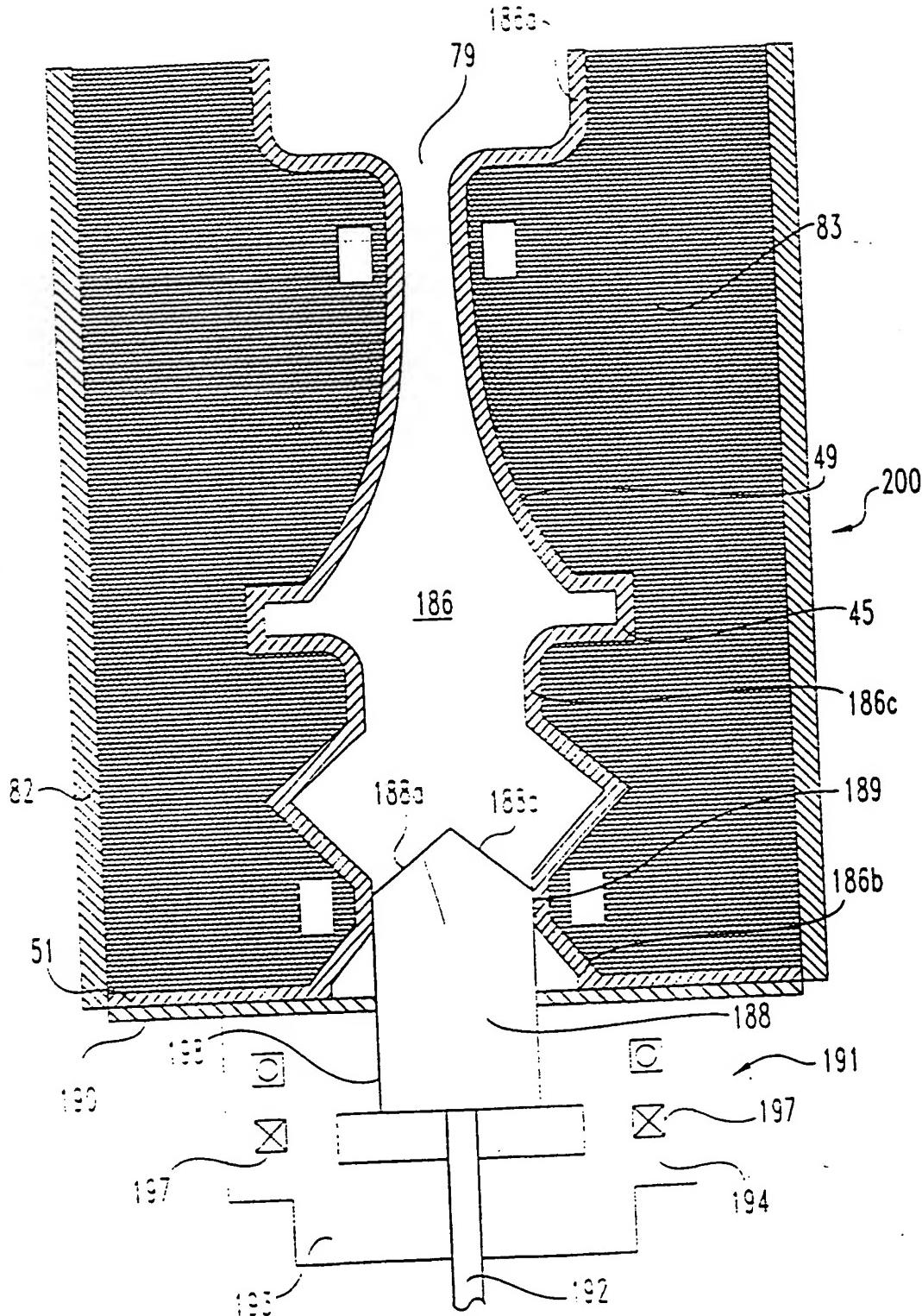


Fig. 42

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

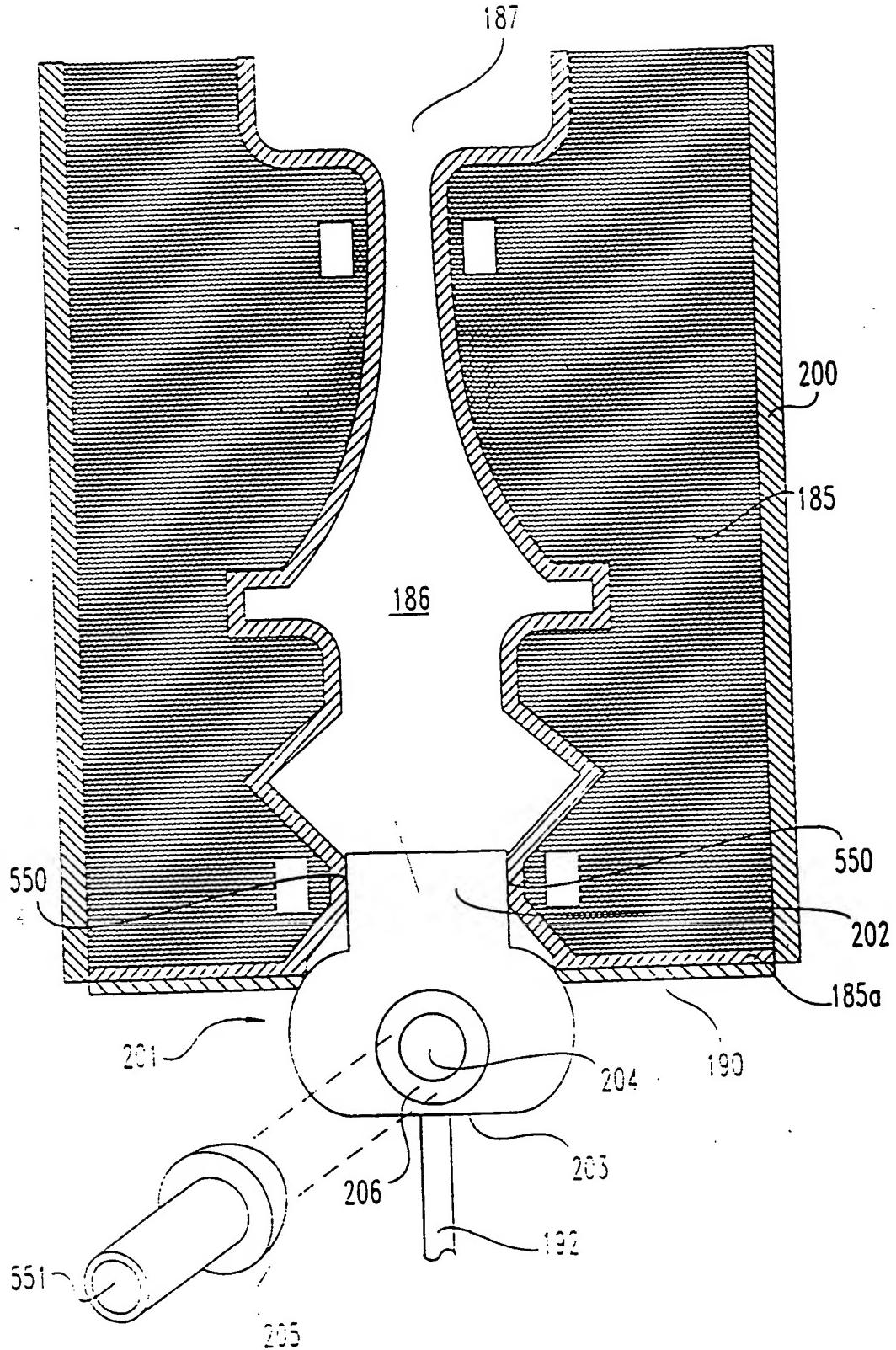


Fig. 44

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nations without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

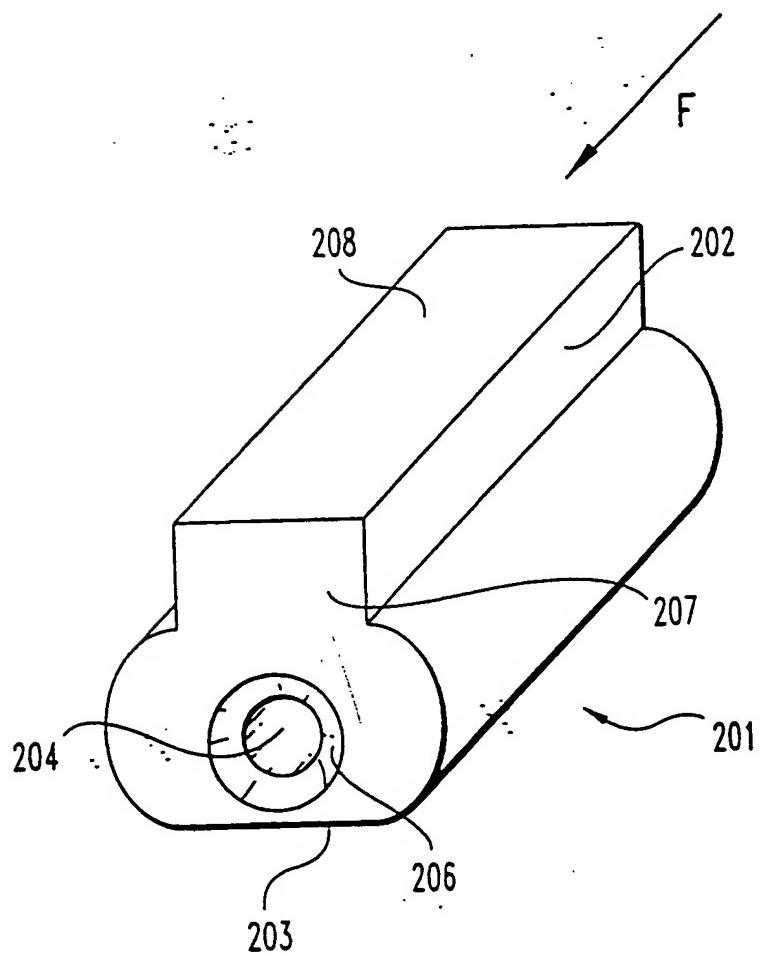


Fig. 45

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

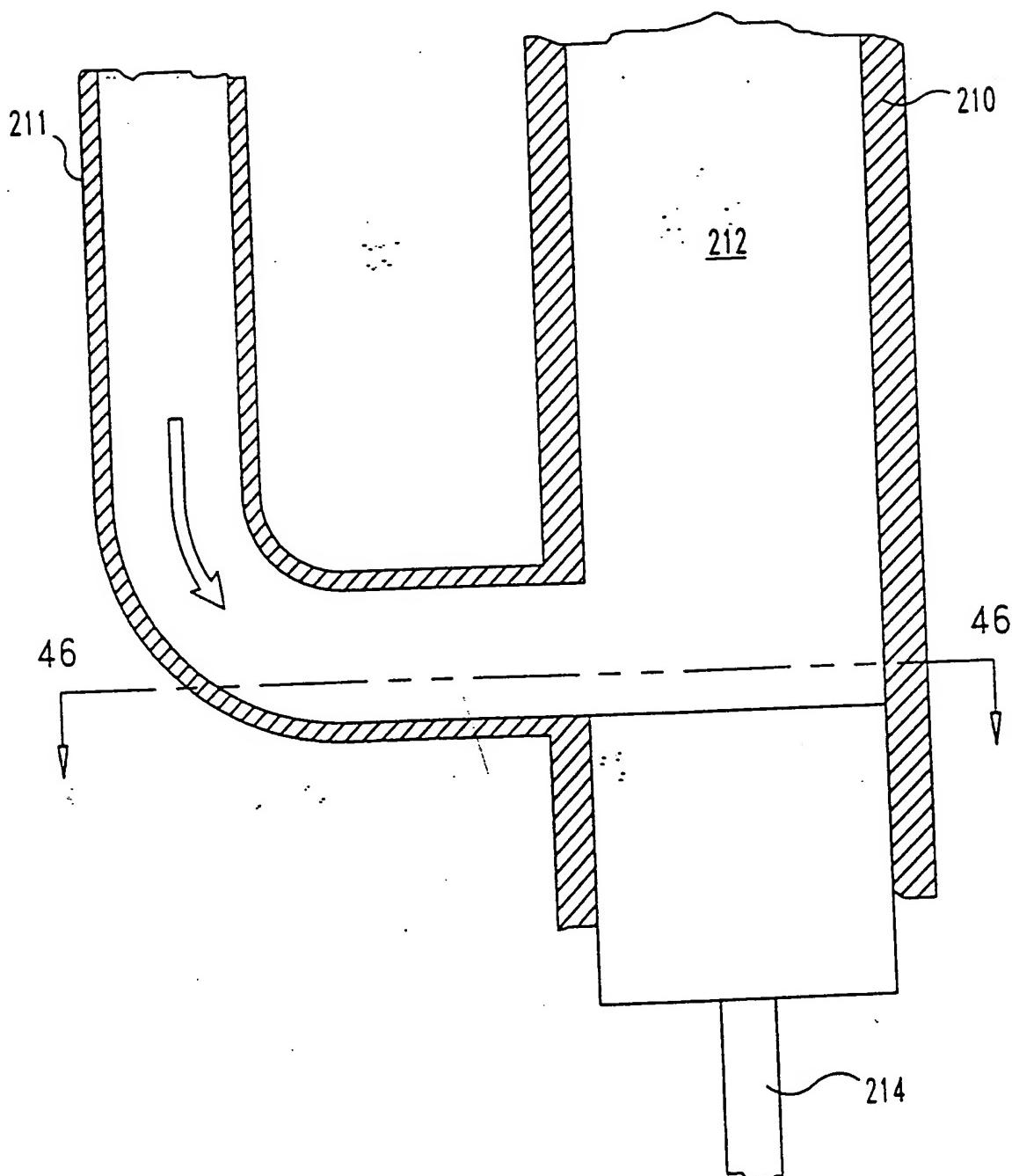


Fig. 46A

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

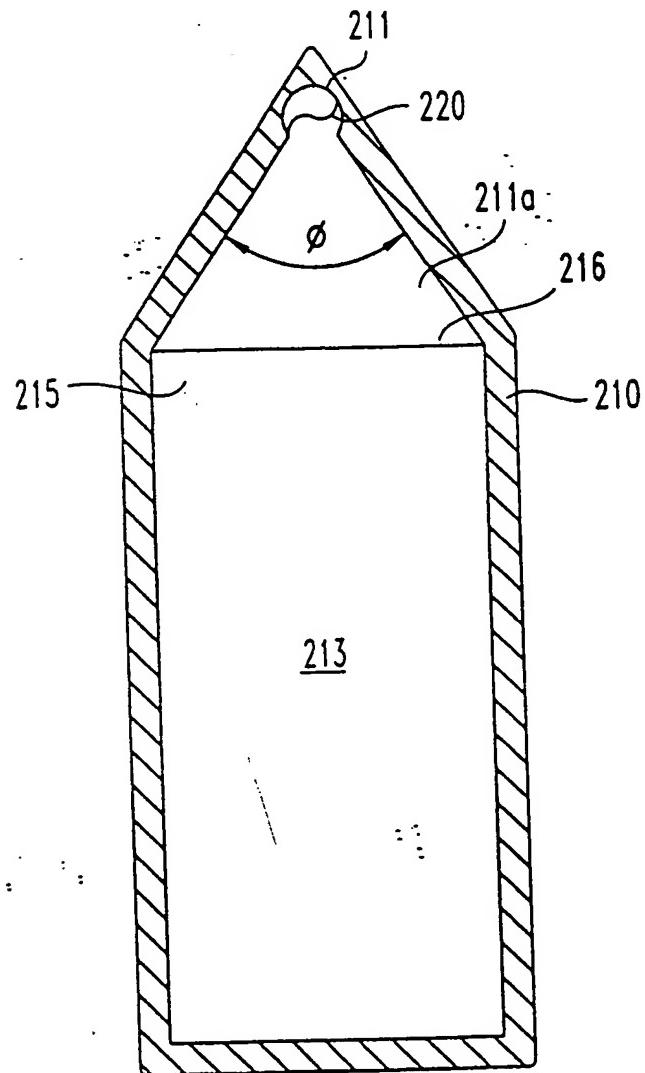


Fig. 46B

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

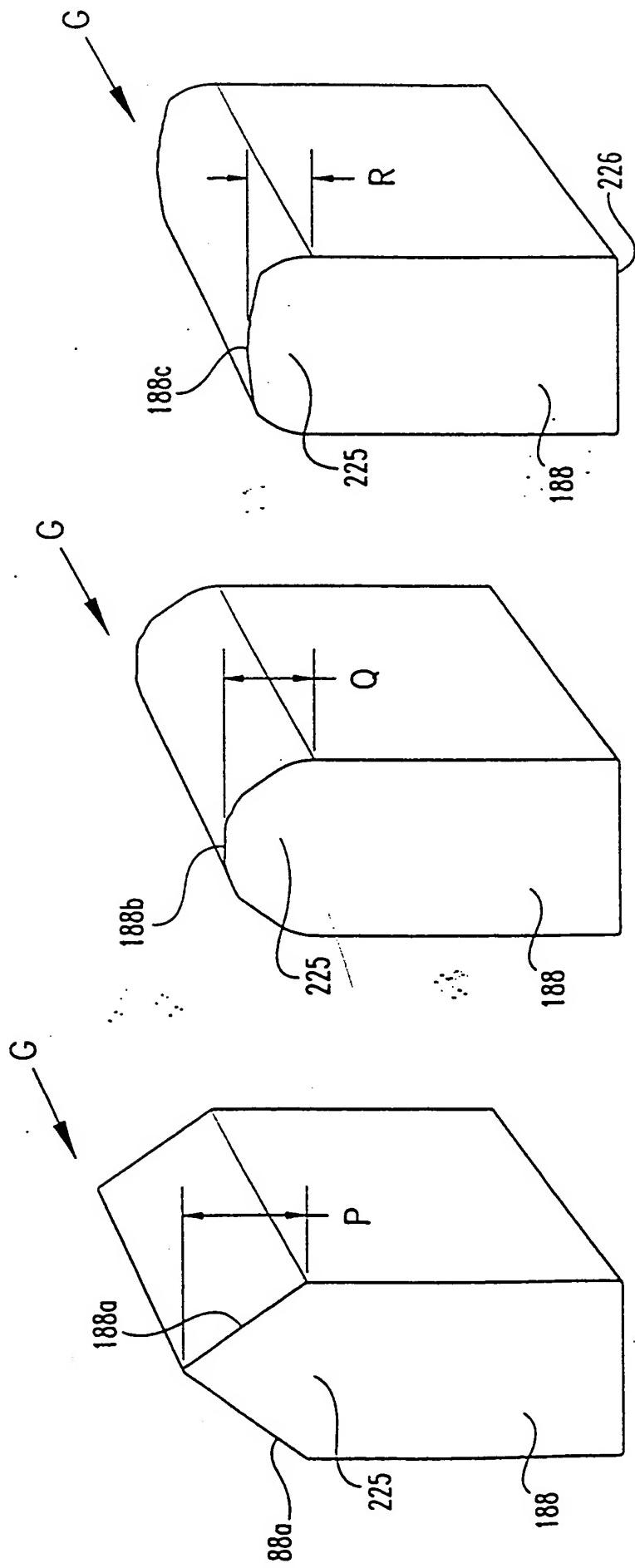


Fig. 47A

Fig. 47B

Fig. 47C

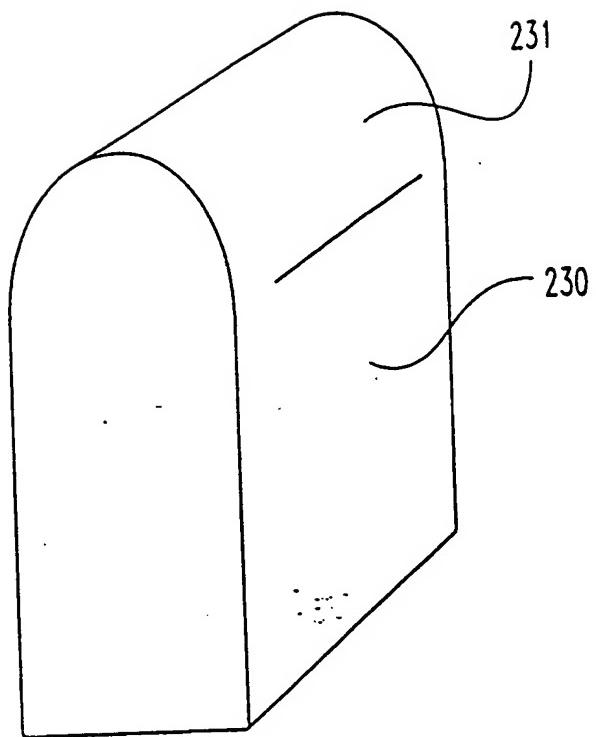
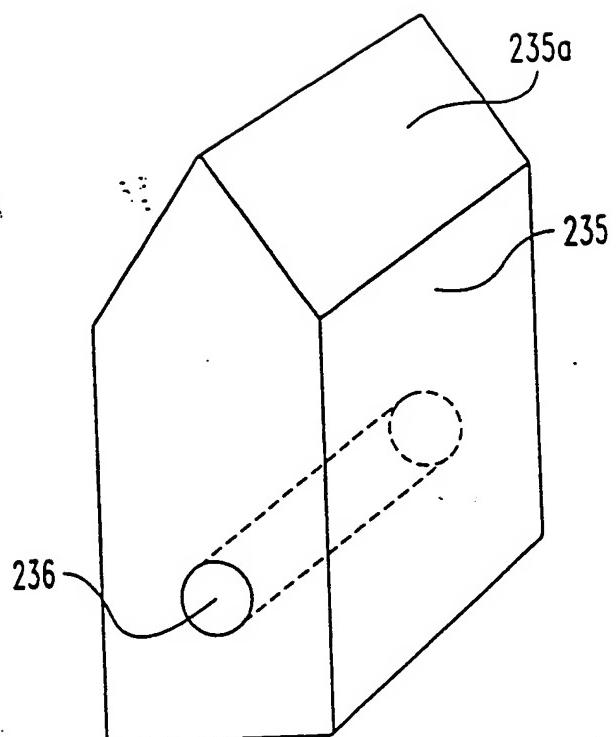


Fig. 48

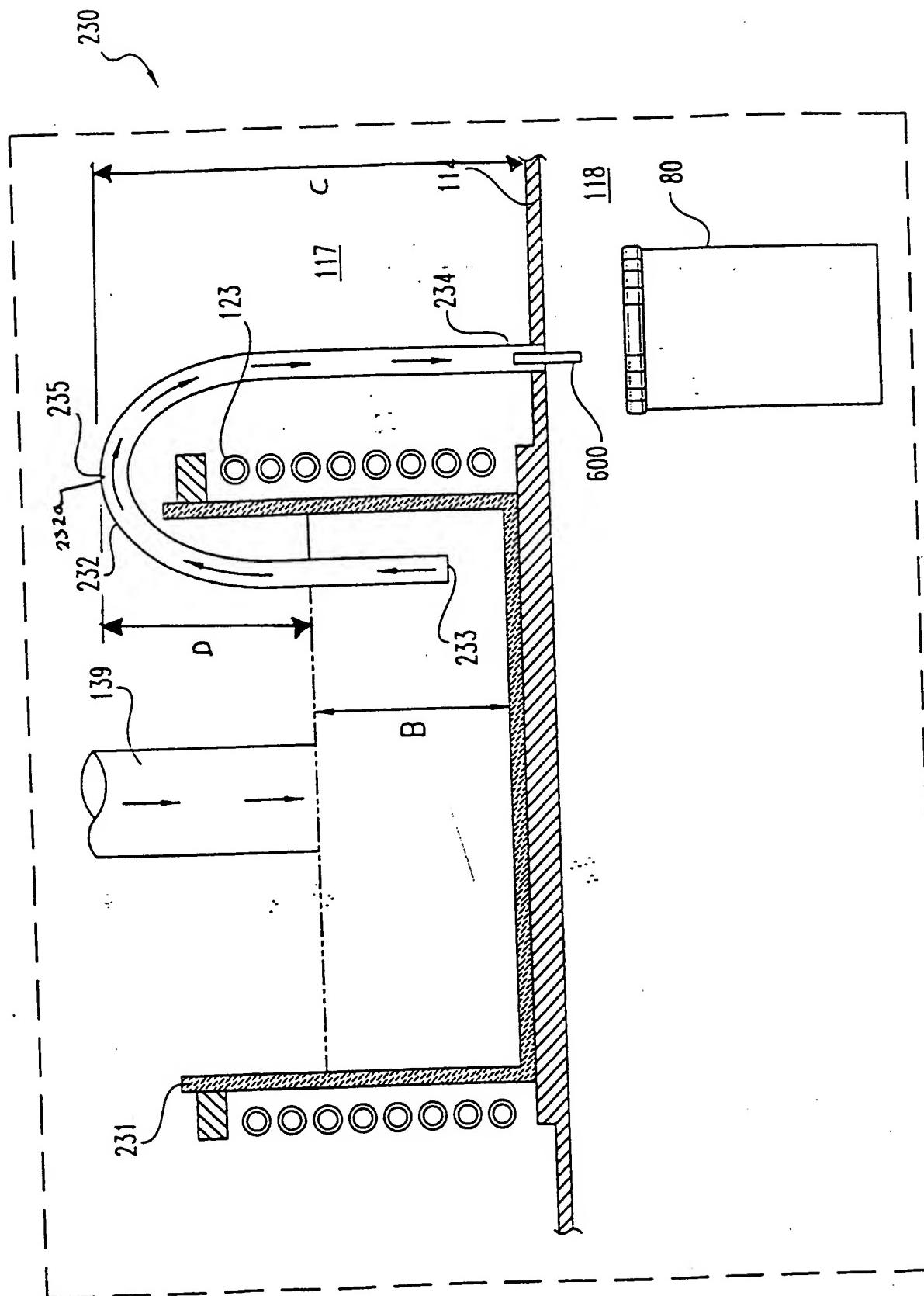


Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

Fig. 49

Fig. 50



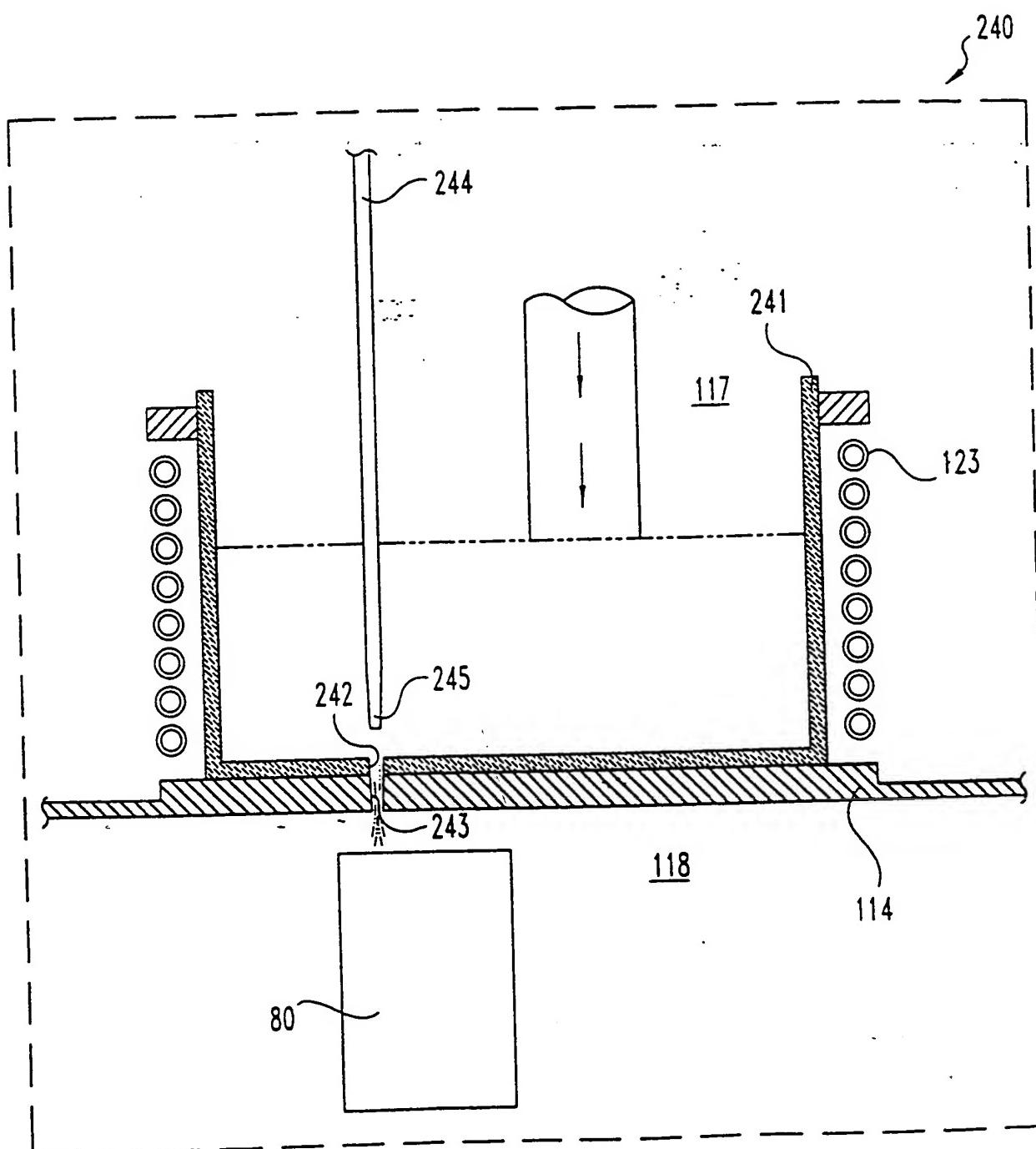


Fig. 51

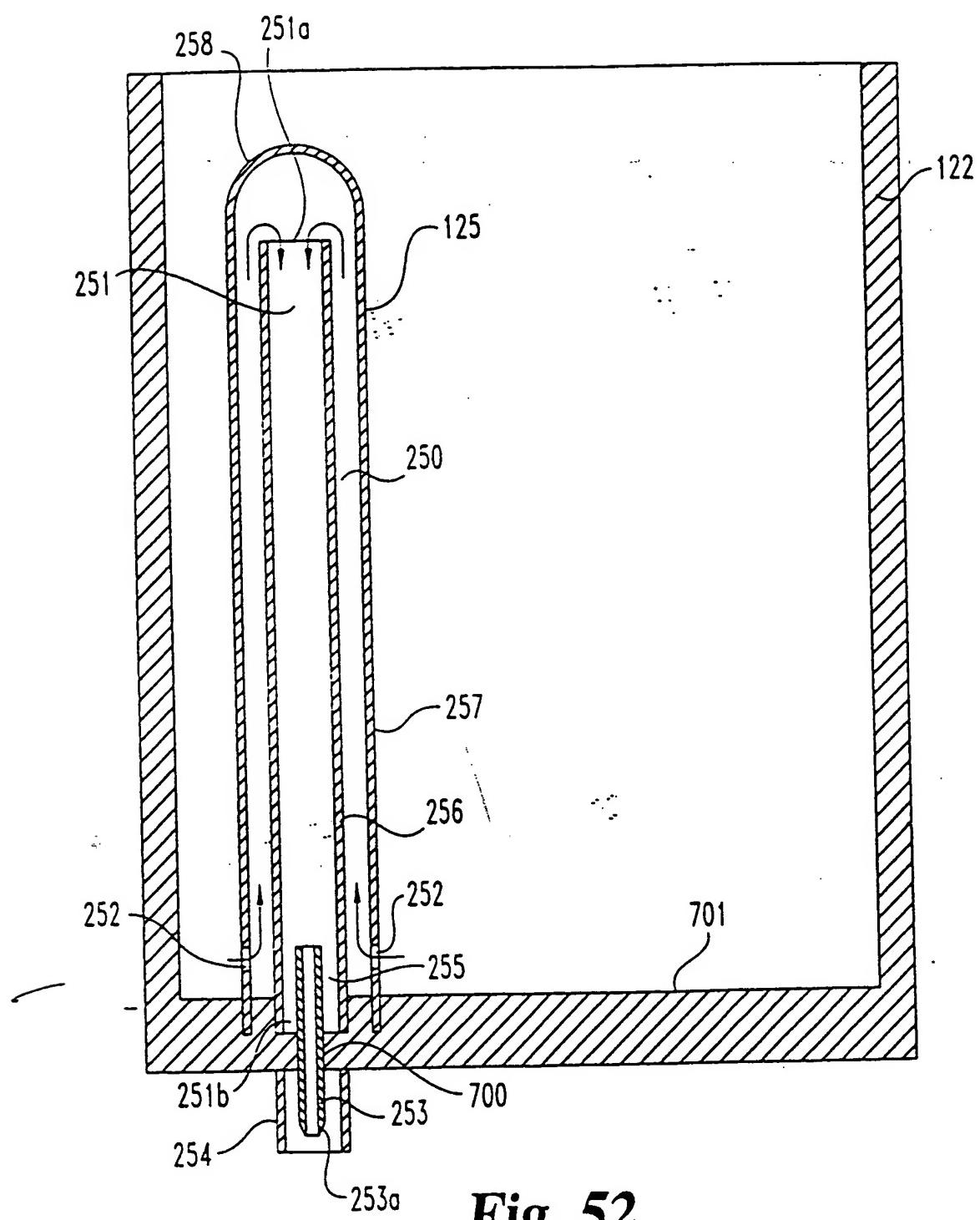


Fig. 52

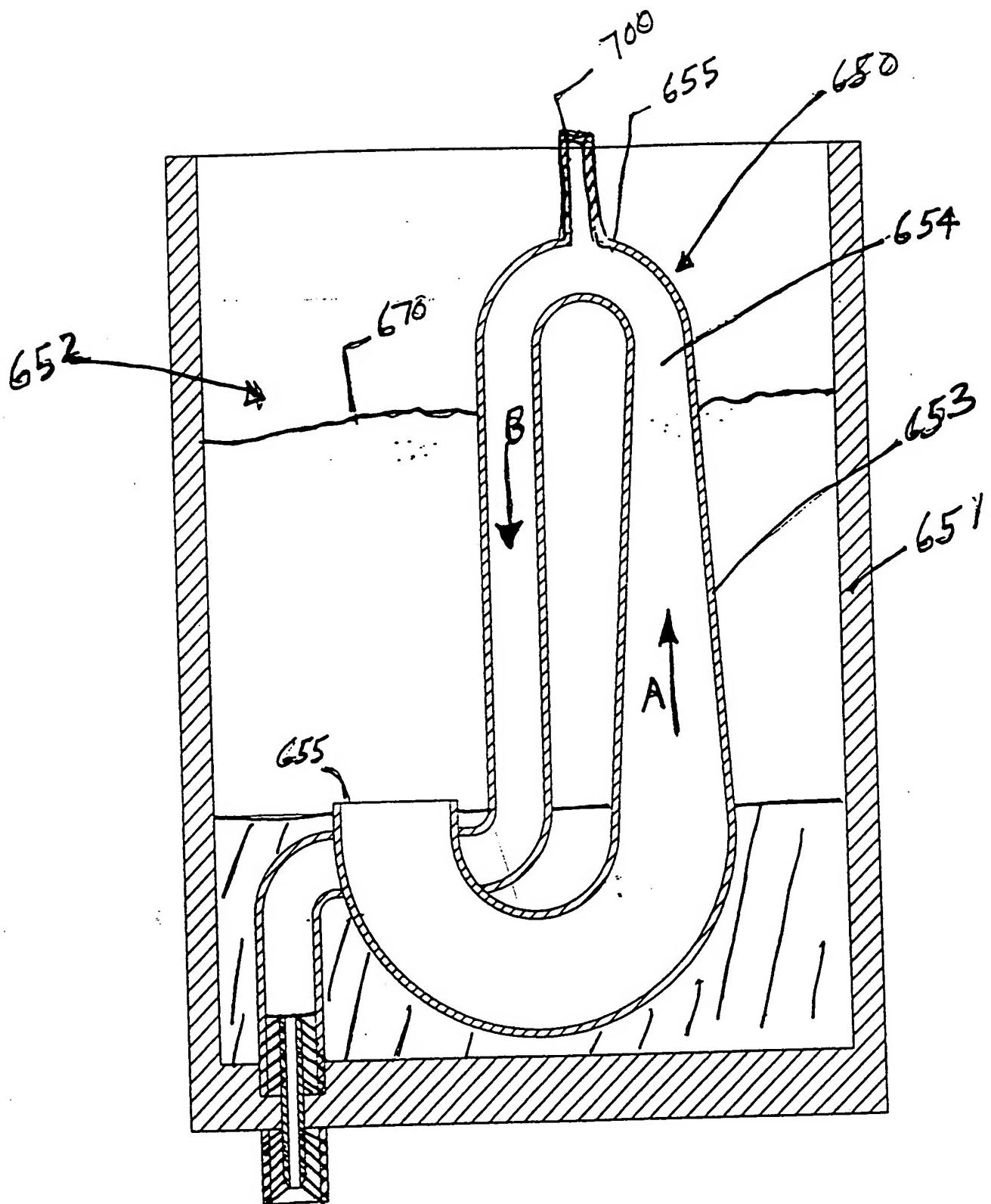


Fig. 52a

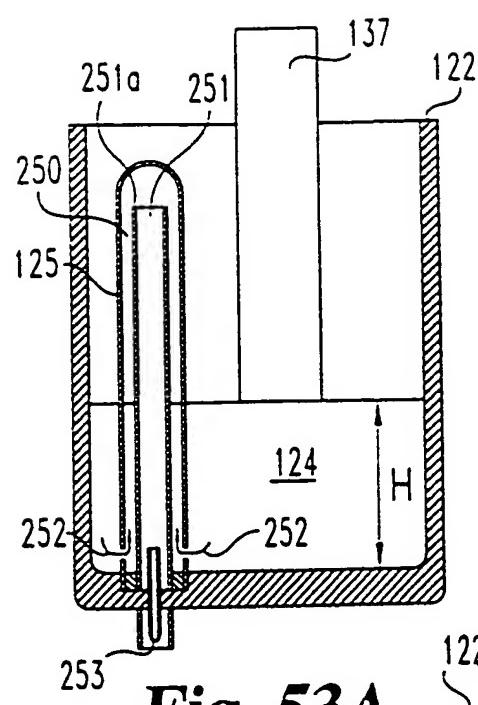


Fig. 53A

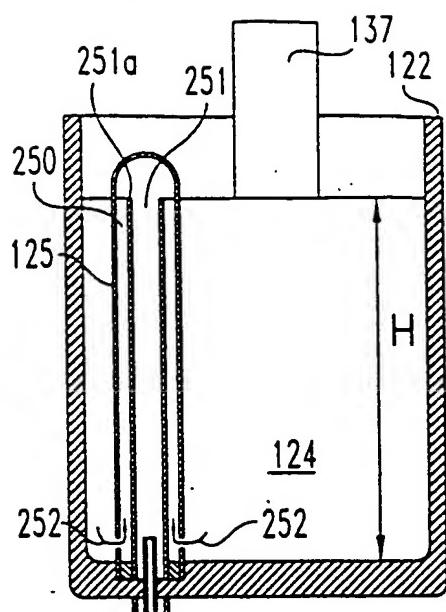


Fig. 53B

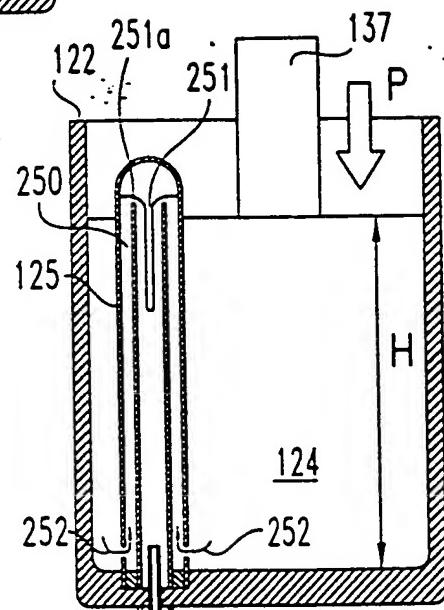


Fig. 53C

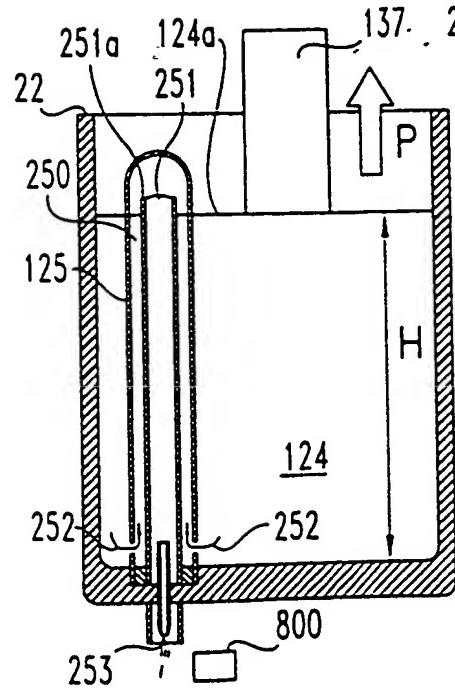


Fig. 53D

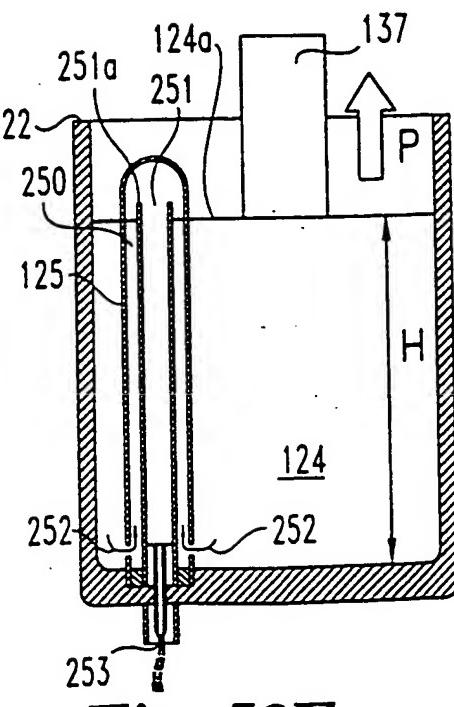


Fig. 53E

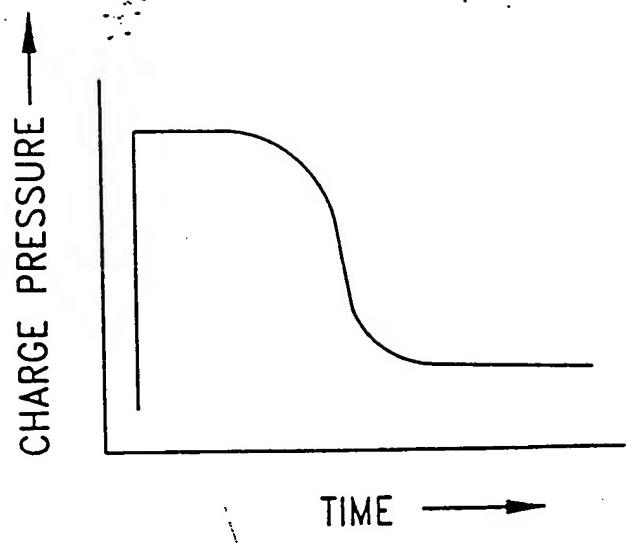


Fig. 54

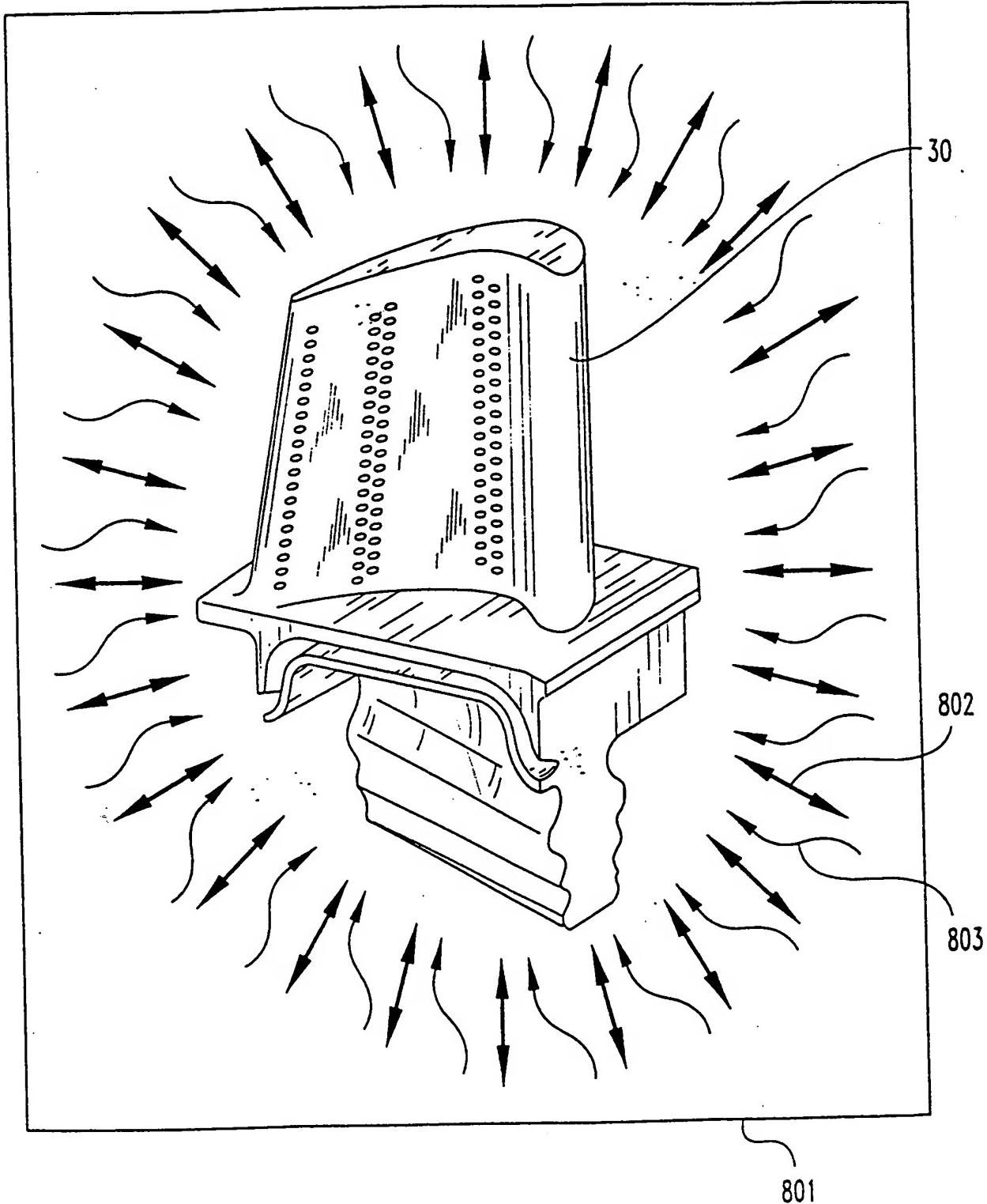


Fig. 55

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International Traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

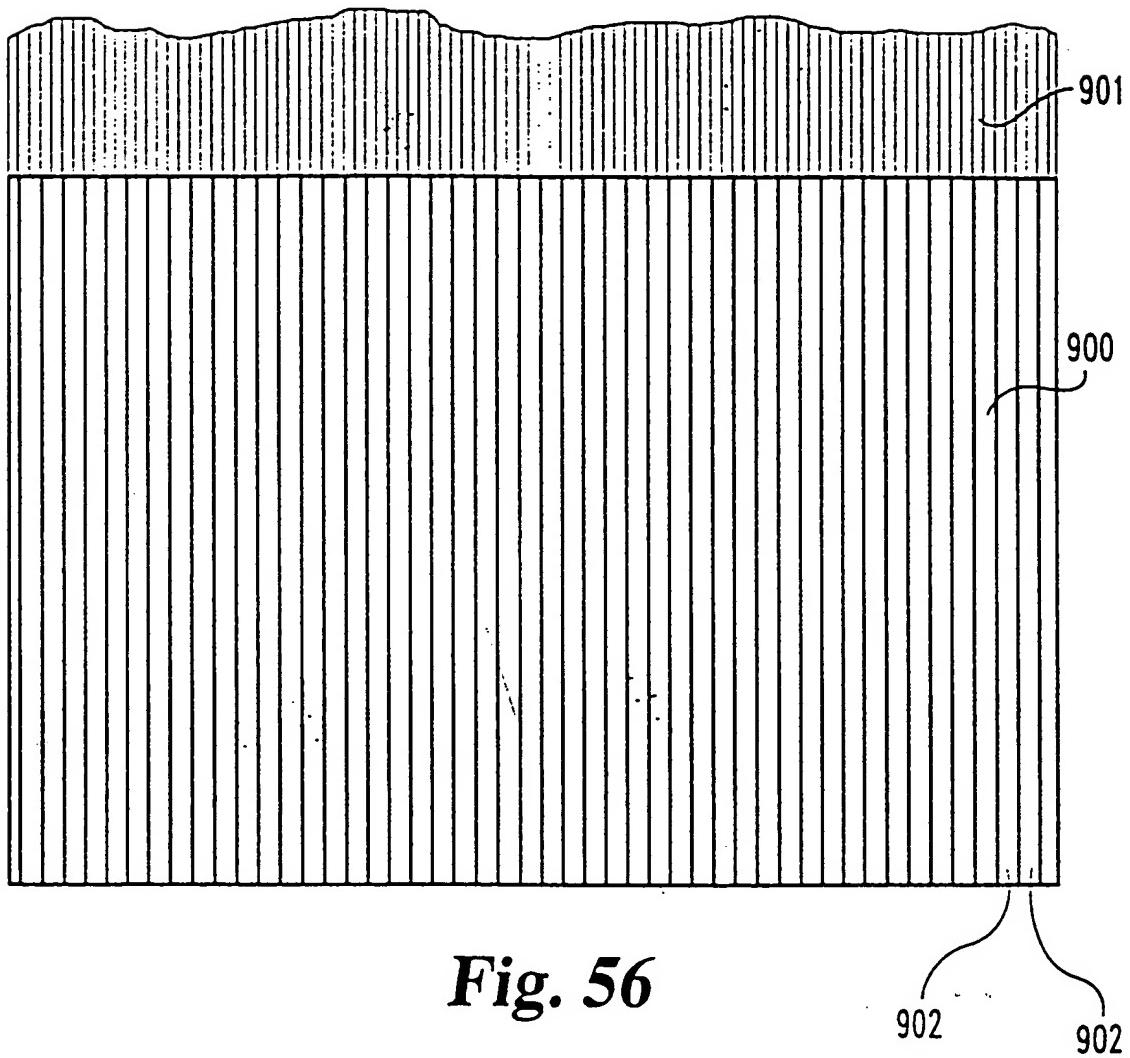


Fig. 56